

Test Report No.:
FCC2021-0005-1

RF Test Report

EUT : **Pet Tracker**
MODEL : **EV-206M**
BRAND NAME : **N/A**
CLIENT : **Shenzhen Eview GPS
Technology**
Classification Of Test : **Commission Test**

Vkan Certification & Testing Co., Ltd.



Vkan Certification & Testing Co., Ltd.

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Client		Name : Shenzhen Eview GPS Technology Address : Rm 201, building 1-A, Nankechuang Yuangu, Dalang, Longhua District, Shenzhen, China	
Manufacturer		Name : Shenzhen Eview GPS Technology Address : Rm 201, building 1-A, Nankechuang Yuangu, Dalang, Longhua District, Shenzhen, China	
Equipment Under Test		Name : Pet Tracker Model/Type: EV-206M Trade mark :N/A SerialNO.:N/A Sampe NO.:1-1	
Date of Receipt.	2021.03.24	Date of Testing	2021.03.24~2021.05.11
Test Specification		Test Result	
FCC Part 15, Subpart C, Section 15.247		PASS	
Evaluation of Test Result		The equipment under test was found to comply with the requirements of the standards applied. Issue Date: 2021.05.11	
Tested by: <u>Zhu Yu Lin</u> Name Signature		Reviewed by: <u>Cheng Xiaochuan</u> Name Signature	Approved by: <u>Dong Sanbi</u> Name Signature
Other Aspects: NONE.			
Abbreviations:OK, Pass= passed Fail = failed N/A= not applicable EUT= equipment, sample(s) under tested			
This test report relates only to the EUT, and shall not be reproduced except in full, without written approval of CVC.			



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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FCC2021-0005-1	Original release	2021.05.11



1 GENERAL INFORMATION

1.1 GENERAL PRODUCT INFORMATION

PRODUCT	Pet Tracker
BRAND	N/A
MODEL	EV-206M
ADDITIONAL MODEL	N/A
FCC ID	2AUMJEV206MA21
POWER SUPPLY	DC 3.7V From Li-ion Battery or DC 5 V From DS Charger
MODULATIONTECHNOLOGY	DSSS, OFDM, DTS
MODULATION TYPE	CCK, DQPSK, DBPSK for DSSS 64QAM, 16QAM, QPSK, BPSK for OFDM GFSK for DTS
OPERATING FREQUENCY	2412MHz ~ 2462MHz for 11b/g/n(HT20) 2402MHz ~ 2480MHz for BT-LE(GFSK)
NUMBER OF CHANNEL	802.11b/g/n (HT20): 11 BT-LE GFSK (1 Mbps): 40
PeakOutPut POWER	WLAN: 13.89dBm (Maximum) BT-LE: -1.49dBm (Maximum)
ANTENNA TYPE	PIFA Antenna, 0.5dBi Gain
I/O PORTS	Refer to user's manual
CABLE SUPPLIED	USB Line, 1.2m, Detachable, Unshielded

Remark:

1. For more detailed features description, please refer to the manufacturer's specifications or the User's Manual.
2. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.
3. Please refer to the EUT photo document (Reference No.: FCC2021-0005) for detailed product photo.
4. The EUT have SISO function, provides 1 completed transmitter and 1 receiver.

MODULATION MODE	TX FUNCTION
802.11b	1TX/1RX
802.11g	1TX/1RX
802.11n (HT20)	1TX/1RX

1.2 OTHER INFORMATION

Operating frequency of each channel

2.4G WIFI					
802.11b/g/n (HT20)					
CHANNEL	FREQ. (MHz)	CHANNEL	FREQ. (MHz)	CHANNEL	FREQ. (MHz)
1	2412	5	2432	9	2452
2	2417	6	2437	10	2457
3	2422	7	2442	11	2462
4	2427	8	2447		

BT-LE(1 Mbps)							
CHANNEL	FREQ. (MHz)	CHANNEL	FREQ. (MHz)	CHANNEL	FREQ. (MHz)	CHANNEL	FREQ. (MHz)
0	2402	10	2422	20	2442	30	2462
1	2404	11	2424	21	2444	31	2464
2	2406	12	2426	22	2446	32	2466
3	2408	13	2428	23	2448	33	2468
4	2410	14	2430	24	2450	34	2470
5	2412	15	2432	25	2452	35	2472
6	2414	16	2434	26	2454	36	2474
7	2416	17	2436	27	2456	37	2476
8	2418	18	2438	28	2458	38	2478
9	2420	19	2440	29	2460	39	2480

Note:

- The channels which were indicated in bold type of the above channel list were selected as representative test channel. Therefore only the data of the test channels were recorded in this report.



1.3 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL

Pre-scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates, xyz axis and antenna ports

EUT CONFIGURE MODE	APPLICABLE TEST ITEMS				DESCRIPTION
	RE<1G	RE≥1G	PLC	APCM	
A	√	√	√	√	2.4G WIFI Function
B	√	√	√	√	BT-LE Function

Where **RE<1G**: Radiated Emission below 1GHz **RE≥1G**: Radiated Emission above 1GHz
PLC: Power Line Conducted Emission **APCM**: Antenna Port Conducted Measurement

RADIATED EMISSION TEST (BELOW 1 GHz):

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, XYZ axis, antenna ports (if EUT with antenna diversity architecture) and packet type.
- ☒ The worst case was found when positioned on x axis for radiated emission. Following channel(s) was (were) selected for the final test as listed below:

EUT CONFIGURE MODE	MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
A	802.11b	1 to 11	6	DSSS	DBPSK	6.0
B	BT-LE	0 to 39	19	DTS	GFSK	1.0

For the test results, only the worst case was shown in test report.

RADIATED EMISSION TEST (ABOVE 1 GHz):

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, XYZ axis, antenna ports (if EUT with antenna diversity architecture) and packet type.
- ☒ The worst case was found when positioned on x axis for radiated emission. Following channel(s) was (were) selected for the final test as listed below:

EUT CONFIGURE MODE	MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
A	802.11b	1 to 11	1, 6, 11	DSSS	DBPSK	1.0
A	802.11g	1 to 11	1, 6, 11	OFDM	BPSK	6.0
A	802.11n(HT20)	1 to 11	1, 6, 11	OFDM	BPSK	6.5
B	BT-LE	0 to 39	0, 19, 39	DTS	GFSK	1.0

**POWER LINE CONDUCTED EMISSION TEST:**

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, antenna ports (if EUT with antenna diversity architecture), and packet types.
- ☒ Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	TESTED CONDITION
-	BT Link+ WIFI (2.4G) Link

ANTENNA PORT CONDUCTED MEASUREMENT:

- ☒ This item includes all test value of each mode, but only includes spectrum plot of worst value of each mode.
- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, antenna ports (if EUT with antenna diversity architecture), and packet types.
- ☒ Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
A	802.11b	1 to 11	1, 6, 11	DSSS	DBPSK	1.0
A	802.11g	1 to 11	1, 6, 11	OFDM	BPSK	6.0
A	802.11n(HT20)	1 to 11	1, 6, 11	OFDM	BPSK	6.5
B	BT-LE	0 to 39	0, 19, 39	DTS	GFSK	1.0

TEST CONDITION:

APPLICABLE TO	ENVIRONMENTAL CONDITIONS	TEST VOLTAGE (SYSTEM)	TESTED BY
RE<1G	25deg. C, 55%RH	DC 3.7V	Zhu Yu Lin
RE≥1G	25deg. C, 55%RH	DC 3.7V	Zhu Yu Lin
PLC	25deg. C, 59%RH	DC 5V From DS Charger input AC120V/60Hz	Zhu Yu Lin
APCM	25deg. C, 60%RH	DC 3.7V	Zhu Yu Lin



1.4 GENERAL DESCRIPTION OF APPLIED STANDARDS

The EUT is a RF product, according to the specifications of the manufacturers. It must comply with the requirements of the following standards:

FCC PART 15, Subpart C. Section 15.247
KDB 558074 D01 15.247 Meas Guidance v05r02
ANSI C63.10-2013

All test items have been performed and recorded as per the above standards

1.5 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

During the tests:

Support Equipment							
NO	Description	Brand	Model No.	Serial Number	Supplied by		
1	Adapter	Apple	A1443	101290	Lab		
Support Cable							
NO	Description	Quantity (Number)	Length (cm)	Detachable (Yes/ No)	Shielded (Yes/ No)	Cores (Number)	Supplied by
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A



2 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

PPLIED STANDARD: FCC Part 15, Subpart C			
STANDARD SECTION	TEST TYPE AND LIMIT	RESULT	REMARK
15.207	AC Power Conducted Emission	PASS	Meet the requirement of limit.
15.247(d) 15.209	Radiated Emissions	PASS	Meet the requirement of limit.
15.247(d)	Band Edge Measurement	PASS	Meet the requirement of limit.
15.247(a)(2)	6dB bandwidth	PASS	Meet the requirement of limit.
15.247(b)	Conducted Output power	PASS	Meet the requirement of limit.
15.247(e)	Power Spectral Density	PASS	Meet the requirement of limit.
15.203	Antenna Requirement	PASS	Meet the requirement of limit.

2.1 LIST OF TEST AND MEASUREMENT INSTRUMENTS

Refer to Appendix A.

2.2 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

No.	ITEM	FREQUENCY	UNCERTAINTY
1	Conducted emissions	9kHz~30MHz	2.7dB
2	Radiated emissions	9KHz ~ 30MHz	5.6dB
		30MHz ~ 1GMHz	4.6dB
		1GHz ~ 18GHz	4.4dB
		18GHz ~ 40GHz	4.6dB

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

2.3 TEST LOCATION

The tests and measurements refer to this report were performed by EMC testing Lab. of CVC Testing Technology Co., Ltd.
No.3, Tiantaiyi Road, Kaitai Avenue, Science City, Guangdong, China
Test Firm Registration Number: 937273

3 TEST TYPES AND RESULTS

3.1 CONDUCTED EMISSION MEASUREMENT

3.1.1 Limit

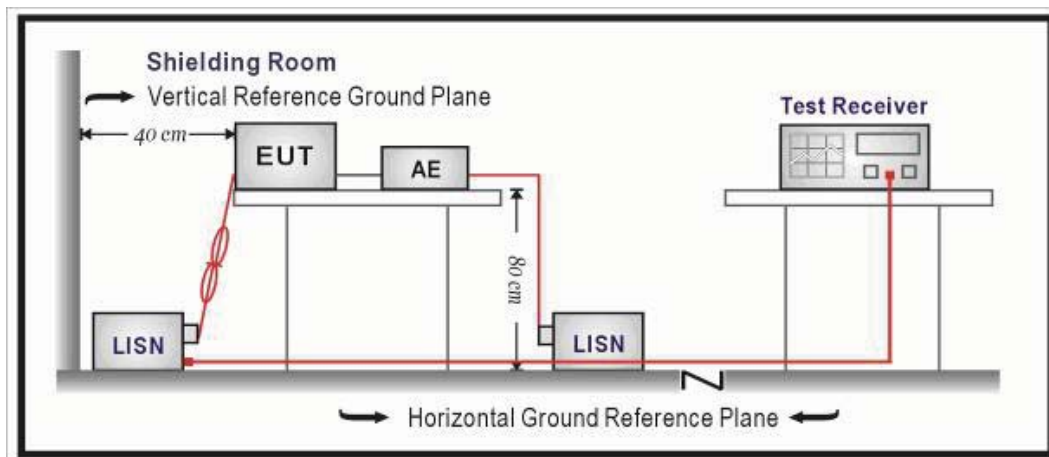
Frequency (MHz)	Conducted Limits(dBμV)	
	Quasi-peak	Average
0.15 - 0.5	66 to 56 *	56 to 46*
0.5 - 5	56	46
5 - 30	60	50

NOTE: 1. The lower limit shall apply at the transition frequencies.
NOTE: 2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

3.1.2 Measurement procedure

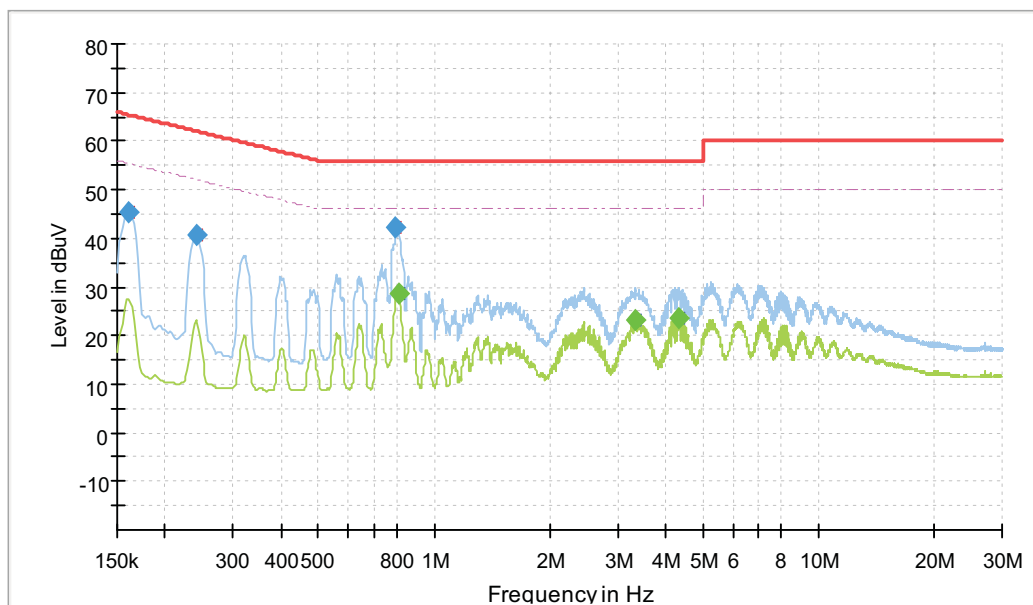
- The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface. The EUT and simulators are connected to the main power through a line impedance stabilization network (LISN). The LISN provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN. (Please refer to the Test photographs) Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source. The equipment under test shall be placed on a support of non-metallic material, the height of which shall be 1.5m above the ground,
- The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.
- Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.

3.1.3 Test setup



3.1.4 Test results

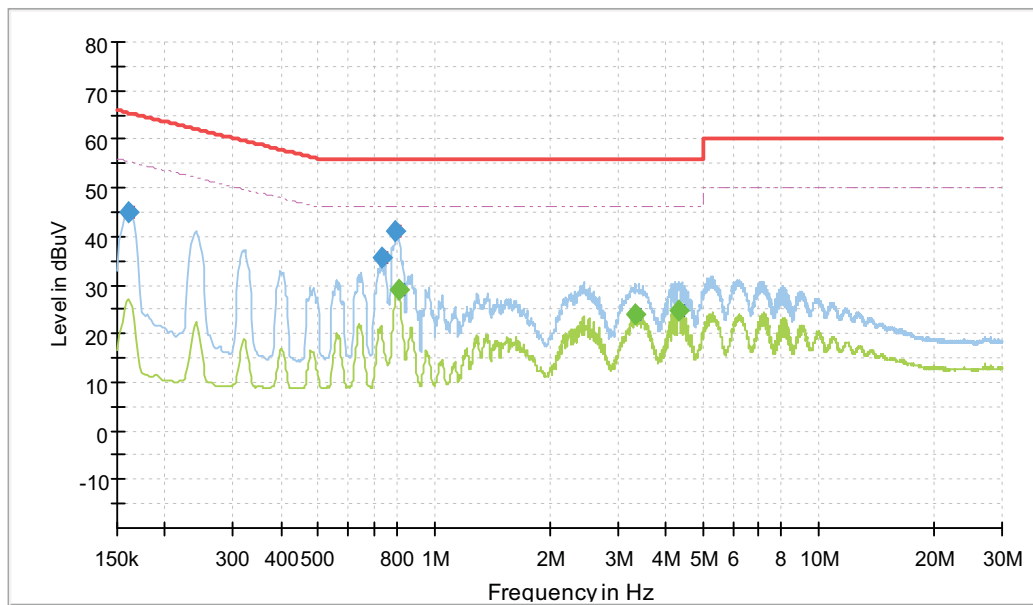
Test Mode	WIFI (2.4G) Link	Channel	CH 1
Frequency Range	150KHz ~ 30MHz	PHASE	Line (L)



NO.	Frequency (MHz)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Corr. (dB)	Remark
1	0.161	45.4	65.4	20.0	19.5	QP
2	0.240	40.7	62.1	21.4	19.5	QP
3	0.796	42.3	56.0	13.7	19.6	QP
4	0.809	28.8	46.0	17.2	19.6	AVG
5	3.343	23.1	46.0	22.9	19.6	AVG
6	4.353	23.6	46.0	22.4	19.6	AVG

Remark: The emission levels of other frequencies were very low against the limit.

Test Mode	WIFI (2.4G) Link	Channel	CH 1
Frequency Range	150KHz ~ 30MHz	PHASE	Line (N)



NO.	Frequency (MHz)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Corr. (dB)	Remark
1	0.161	45.2	65.4	20.2	19.5	QP
2	0.728	35.5	56.0	20.5	19.6	QP
3	0.796	41.2	56.0	14.8	19.6	QP
4	0.809	29.2	46.0	16.8	19.6	AVG
5	3.341	23.9	46.0	22.1	19.6	AVG
6	4.349	24.7	46.0	21.3	19.7	AVG

Remark: The emission levels of other frequencies were very low against the limit.

3.2 RADIATED EMISSION AND BANDEDGE MEASUREMENT

3.2.1 Limit

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).

FREQUENCIES (MHz)	FIELD STRENGTH (Microvolts/Meter)	MEASUREMENT DISTANCE (Meters)
0.009 ~ 0.490	2400/F(kHz)	300
0.490 ~ 1.705	24000/F(kHz)	30
1.705 ~ 30.0	30	30
30 ~ 88	100	3
88 ~ 216	150	3
216 ~ 960	200	3
Above 960	500	3

NOTE: 1. The lower limit shall apply at the transition frequencies.

NOTE: 2. Emission level (dBuV/m) = 20 log Emission level (uV/m).

NOTE: 3. As shown in 15.35(b), for frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.

3.2.2 Measurement procedure

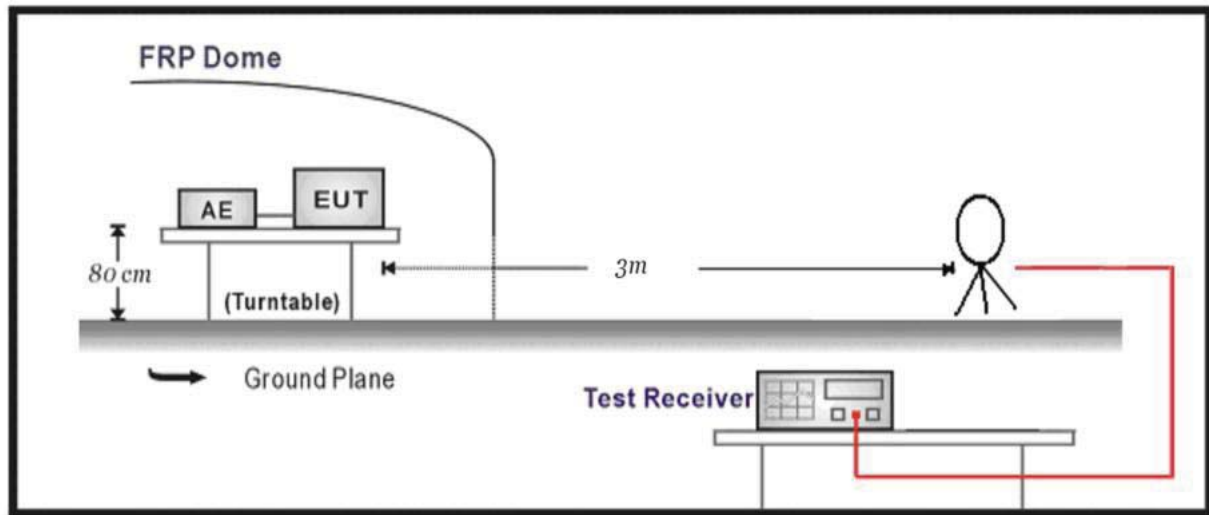
- The EUT was placed on the top of a rotating table 1.5 meters(above 1GHz) and 0.8 meters(below 1GHz) above the ground at a 3 meters semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- For below 1GHz was used bilog antenna, and above 1GHz was used horn antenna, and its height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- For below 30MHz, a loop antenna with its vertical plane is place 3m from the EUT and rotated about its vertical axis for maximum response at each azimuth about the EUT. And the centre of the loop shall be 1m above the ground.
- During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, For battery operated equipment, the equipment tests shall be perform using fresh batteries. The turntable was rotated to maximize the emission level.

NOTE:

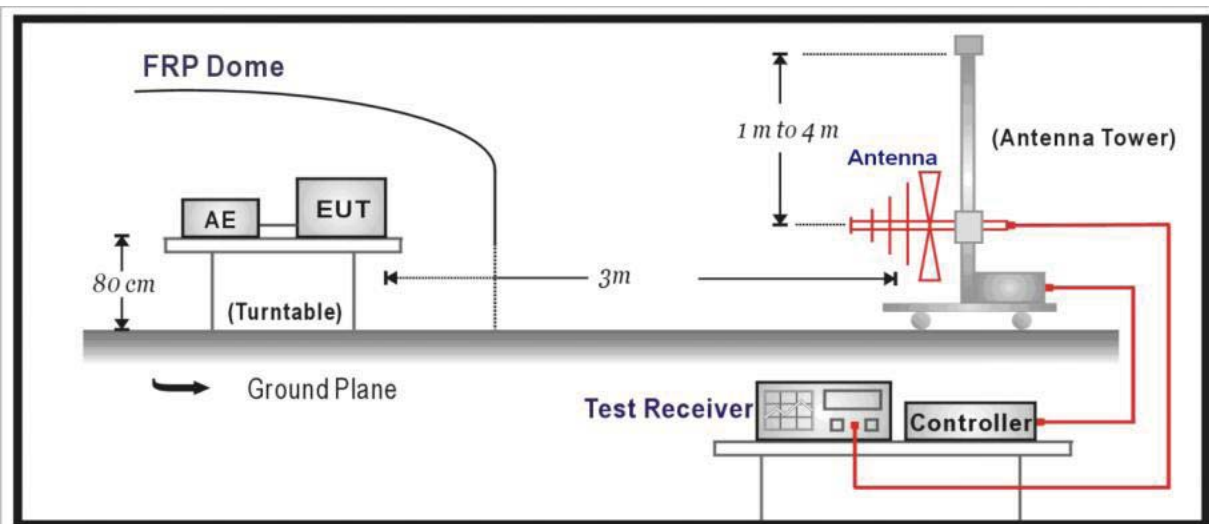
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is $\geq 1/T$ (Duty cycle < 98%) or 10Hz(Duty cycle > 98%) for Average detection (AV) at frequency above 1GHz.
4. All modes of operation were investigated and the worst-case emissions are reported.
5. The testing of the EUT was performed on all 3 orthogonal axes; the worst-case test configuration was reported on the file test setup photo.

3.2.3 Test setup

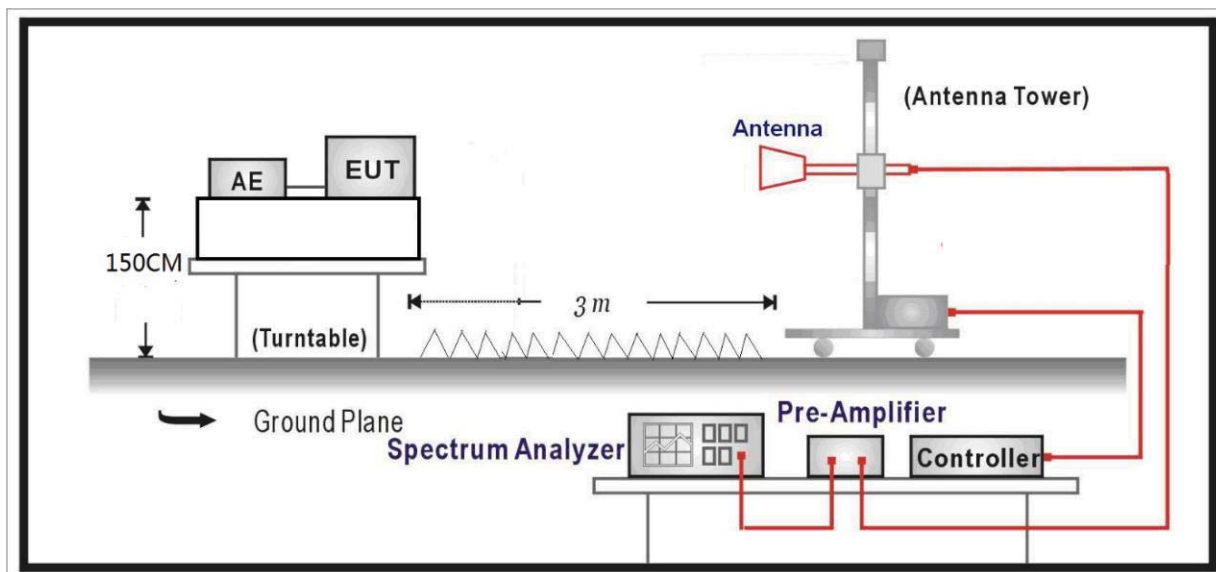
Below 30MHz Test Setup:



Below 1GHz Test Setup:



Above 1GHz Test Setup:

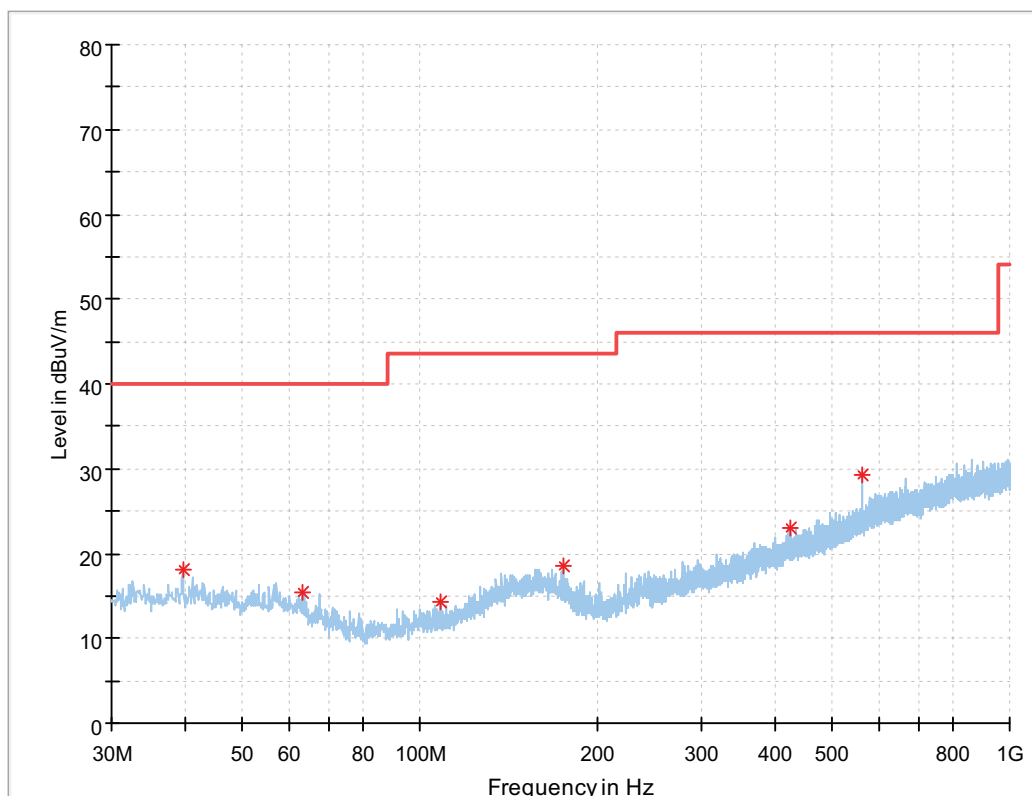


3.2.4 Test results

BELOW 1GHz WORST-CASE DATA:

Worst Test Mode	802.11b	Worst Test Channel	CH 6
Frequency Range	9KHz ~ 1GHz	Detector Function	Quasi-Peak (QP)

Horizontal



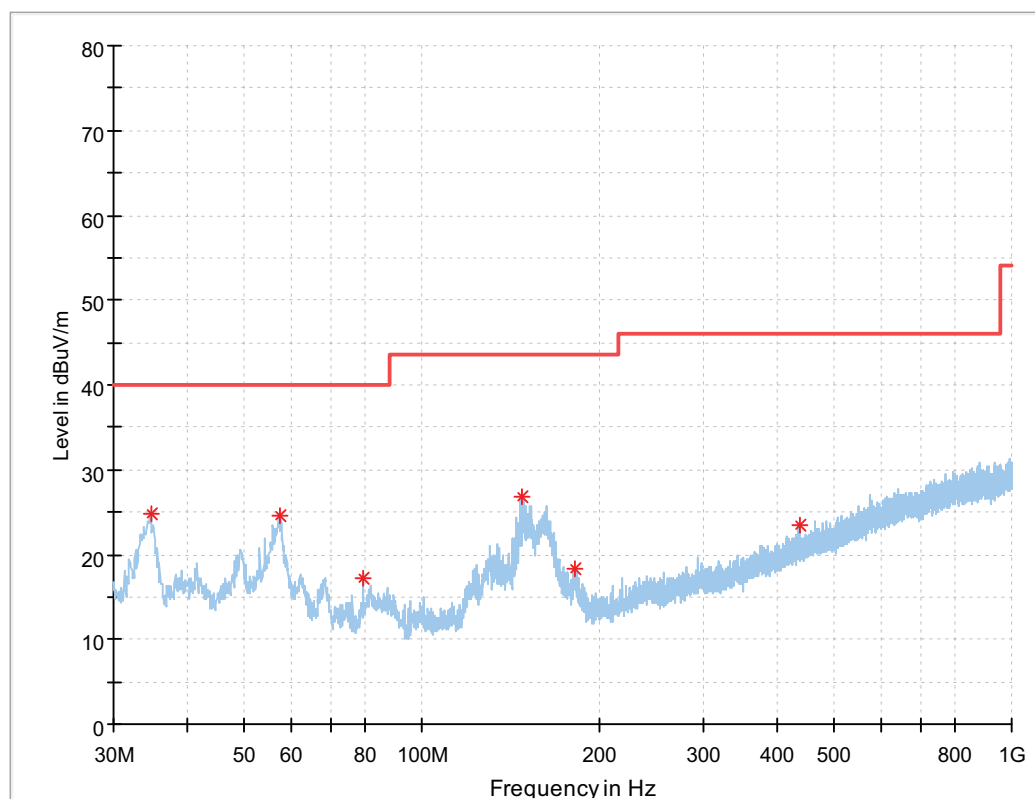
NO.	Frequency (MHz)	Result (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Azimuth (deg)	Corr. (dB/m)
1	39.603	18.1	40.0	21.9	100.0	93.0	15.4
2	63.465	15.4	40.0	24.6	200.0	0.0	13.9
3	108.376	14.3	43.5	29.2	100.0	126.0	12.4
4	174.821	18.7	43.5	24.8	100.0	295.0	15.3
5	426.148	23.1	46.0	22.9	100.0	289.0	19.9
6	562.627	29.3	46.0	16.7	100.0	80.0	22.1

Remark: 1. 9KHz~30MHz have been test and test data more than 20dB margin.

2. The emission levels of other frequencies were greater than 20dB margin.

Worst Test Mode	802.11b	Worst Test Channel	CH 6
Frequency Range	9KHz ~ 1GHz	Detector Function	Quasi-Peak (QP)

Vertical



NO.	Frequency (MHz)	Result (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Azimuth (deg)	Corr. (dB/m)
1	34.656	24.9	40.0	15.1	100.0	170.0	14.8
2	57.257	24.5	40.0	15.5	100.0	85.0	14.9
3	79.470	17.3	40.0	22.7	100.0	65.0	11.0
4	147.855	26.9	43.5	16.6	100.0	164.0	16.1
5	181.611	18.3	43.5	25.2	100.0	6.0	14.2
6	437.594	23.4	46.0	22.6	100.0	111.0	20.1

Remark: 1. 9KHz~30MHz have been test and test data more than 20dB margin.
2. The emission levels of other frequencies were greater than 20dB margin.



ABOVE 1GHz DATA
Please refer Annex A.

3.3 6dB BANDWIDTH MEASUREMENT

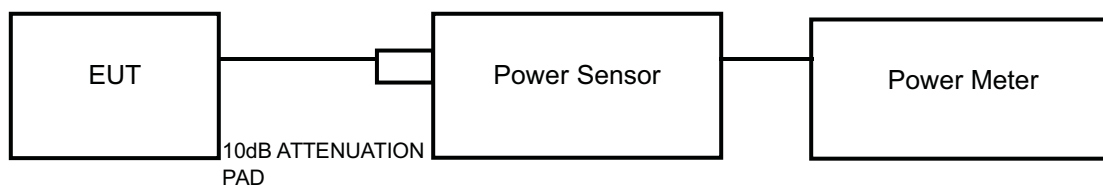
3.3.1 Limits

The minimum of 6dB Bandwidth Measurement is 0.5 MHz.

3.3.2 Measurement procedure

- Set resolution bandwidth (RBW) = 100KHz
- Set the video bandwidth (VBW) $\geq 3 \times$ RBW, Detector = Peak.
- Trace mode = max hold.
- Sweep = auto couple.
- Measure the maximum width of the emission that is constrained by the frequencies associated with the two amplitude points (upper and lower) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

3.3.3 Test setup





3.3.4 Test result

Please refer Annex A.

3.4 CONDUCTED OUTPUT POWER

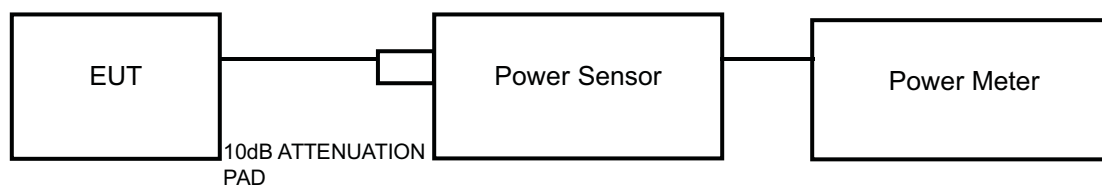
3.4.1 Limits

Forsystems using digital modulation in the 2400–2483.5 MHz band: 1 Watt (30dBm).

3.4.2 Measurement procedure

- A peak power sensor was used on the output port of the EUT. A power meter was used to read the response of the peak power sensor and set the detector to PEAK. Record the power level.
- An average power sensor was used on the output port of the EUT. A power meter was used to read the response of the average power sensor and set the detector to AVERAGE. Record the power level.

3.4.3 Test setup





3.4.4 Test result

MAXIMUM PEAK OUTPUT POWER

Please refer Annex A.

3.5 POWER SPECTRAL DENSITY MEASUREMENT

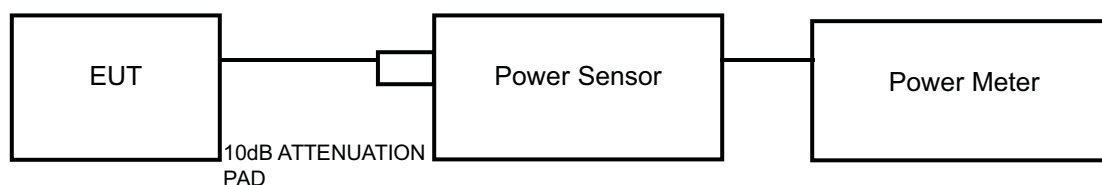
3.5.1 Limits

The Maximum of Power Spectral Density Measurement is 8dBm/3KHz.

3.5.2 Measurement procedure

- Set instrument center frequency to DTS channel center frequency.
- Set the span to 1.5 times the DTS bandwidth.
- Set RBW to: 3KHz
- Set VBW $\geq 3 \times$ RBW.
- Detector = peak
- Ensure that the number of measurement points in the sweep $\geq 2 \times$ span/RBW.
- Sweep time = auto couple.
- Use the peak marker function to determine the maximum amplitude level.

3.5.3 Test setup





3.5.4 Test result

Please refer Annex A.

3.6 OUT OF BAND EMISSION MEASUREMENT

3.6.1 Limits

Below -20dB of the highest emission level of operating band (in 100kHz Resolution Bandwidth).

3.6.2 Measurement procedure

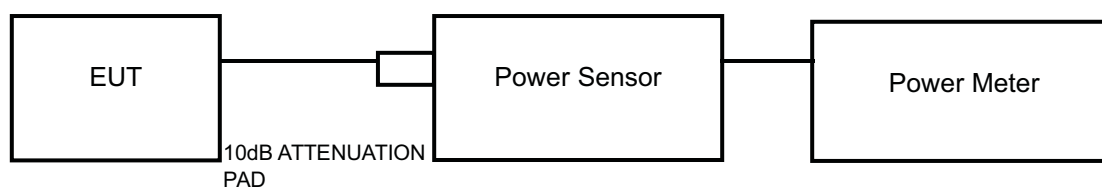
Measurement Procedure -Reference Level

- Set the RBW = 100 kHz.
- Set the VBW \geq 300 kHz.
- Detector = peak.
- Sweep time = auto couple.
- Trace mode = max hold.
- Allow trace to fully stabilize.
- Use the peak marker function to determine the maximum power level in any 100 kHzband segment within the fundamental EBW.

Measurement Procedure –Unwanted Emission Level

- Set RBW = 100 kHz.
- Set VBW \geq 300 kHz.
- Set span to encompass the spectrum to be examined
- Detector = peak.
- Trace Mode = max hold.
- Sweep = auto couple.

3.6.3 Test setup





3.6.4 Test result

Please refer Annex A.



4 PHOTOGRAPHS OF TEST SETUP

Please refer to the attached file (Test Setup Photo).

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5 Appendix A. Test Results

Please refer to the following pages for test results.

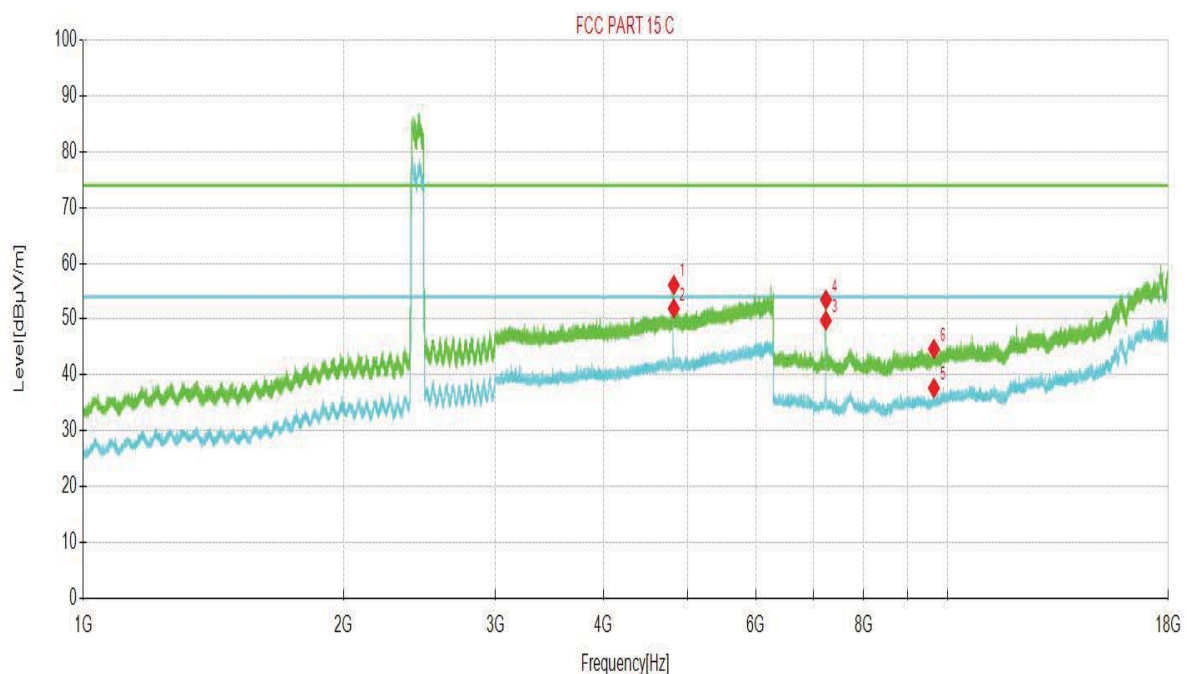
5.1 RADIATED EMISSION AND BANDEDGE MEASUREMENT

5.1.1 Test Result

Harmonic: 2.4G WLAN
ABOVE 1GHz DATA

Mode:	2.4G WLAN-11B-CH1
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Test Graph



◆ PK Detector ◆ AV Detector

Suspected Data List

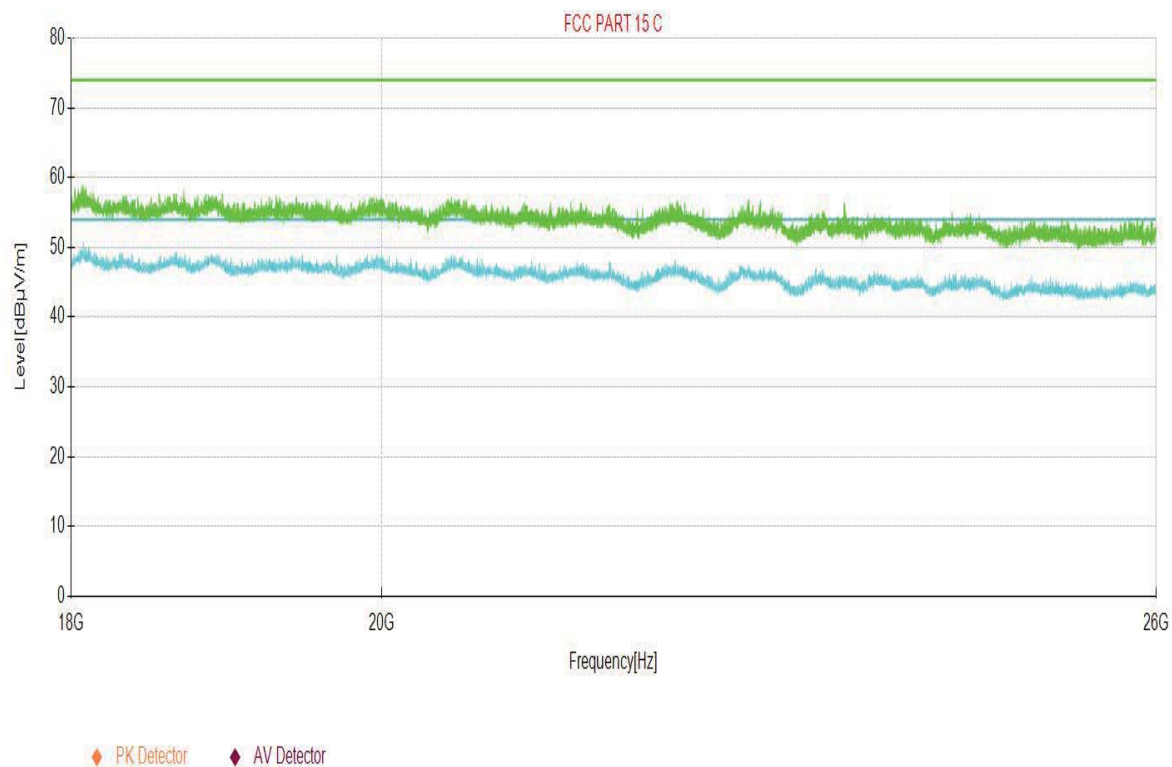
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4823.76	56.11	14.06	74.00	17.89	145	46	Horizontal
2	4824.09	51.91	14.06	54.00	2.09	150	34	Horizontal
3	7233.75	49.75	8.08	54.00	4.25	150	350	Horizontal
4	7236.09	53.46	8.08	74.00	20.54	170	350	Horizontal
5	9647.70	37.65	8.56	54.00	16.35	150	81	Horizontal
6	9647.70	44.64	8.56	74.00	29.36	155	86	Horizontal



Mode:

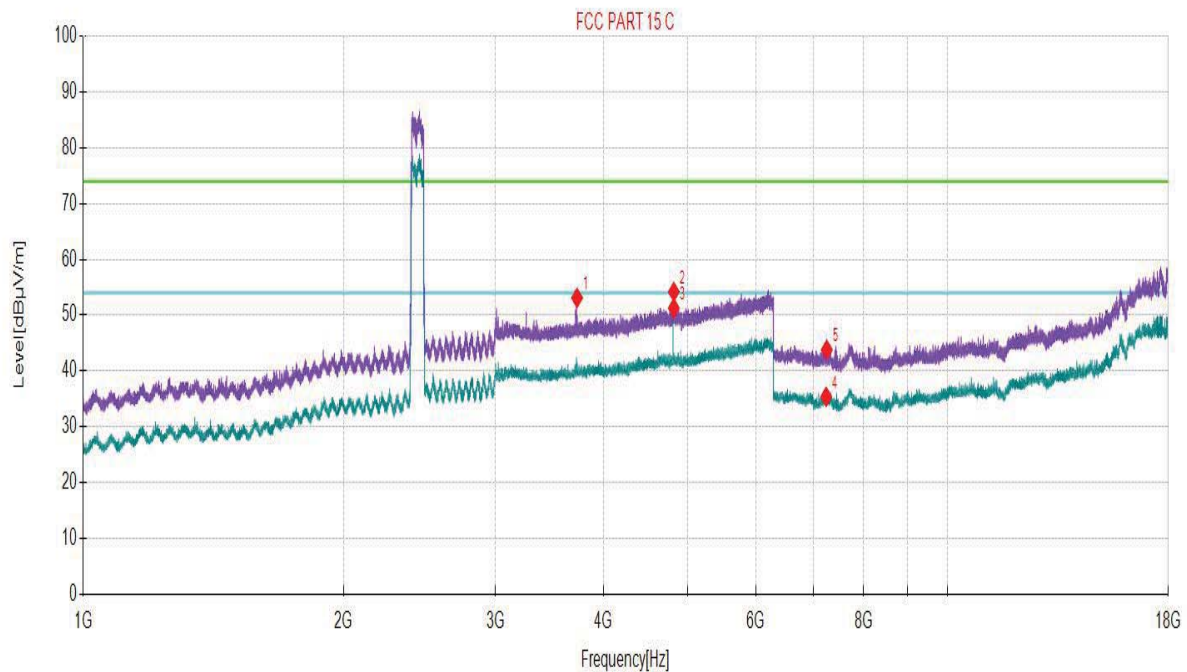
2.4G WLAN-11B-CH1

Test Graph



Mode:	2.4G WLAN-11B-CH1
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Test Graph



◆ PK Detector ◆ AV Detector

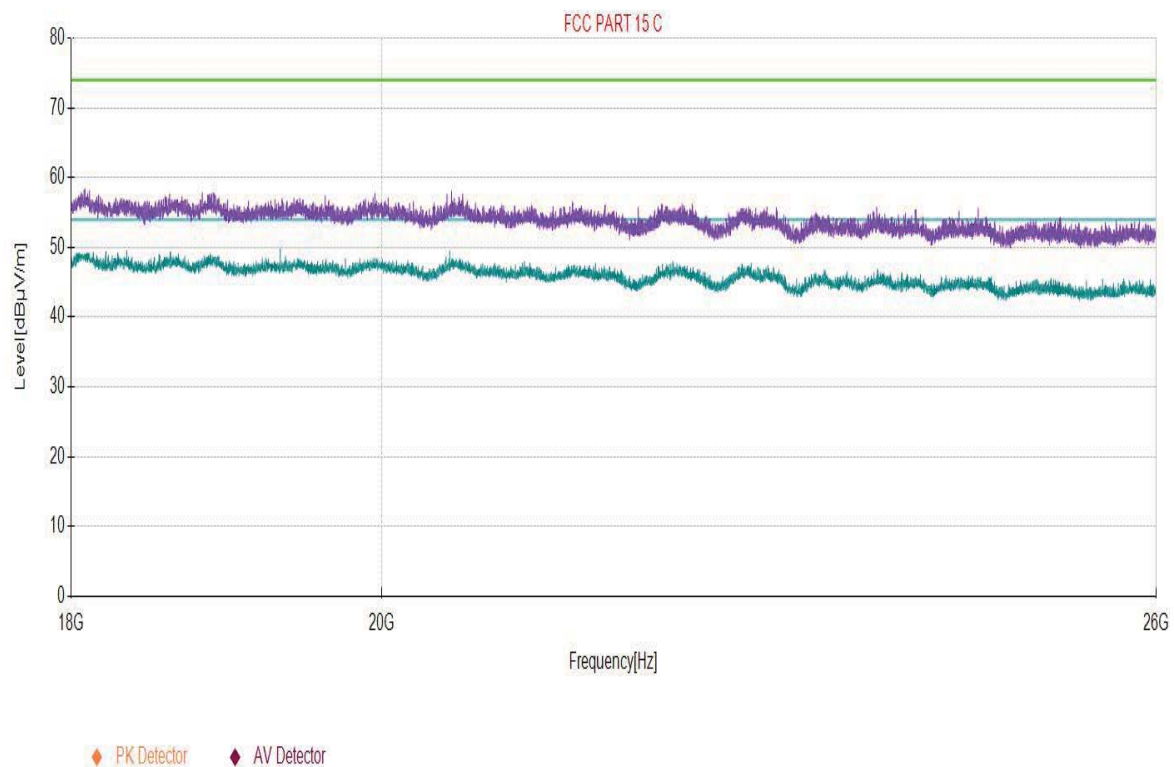
Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3727.39	53.09	13.61	74.00	20.91	150	115	Vertical
2	4824.09	54.19	14.06	74.00	19.81	155	136	Vertical
3	4824.09	51.25	14.06	54.00	2.75	150	136	Vertical
4	7239.60	35.37	8.07	54.00	18.63	160	145	Vertical
5	7251.30	43.81	8.16	74.00	30.19	160	99	Vertical

Mode:

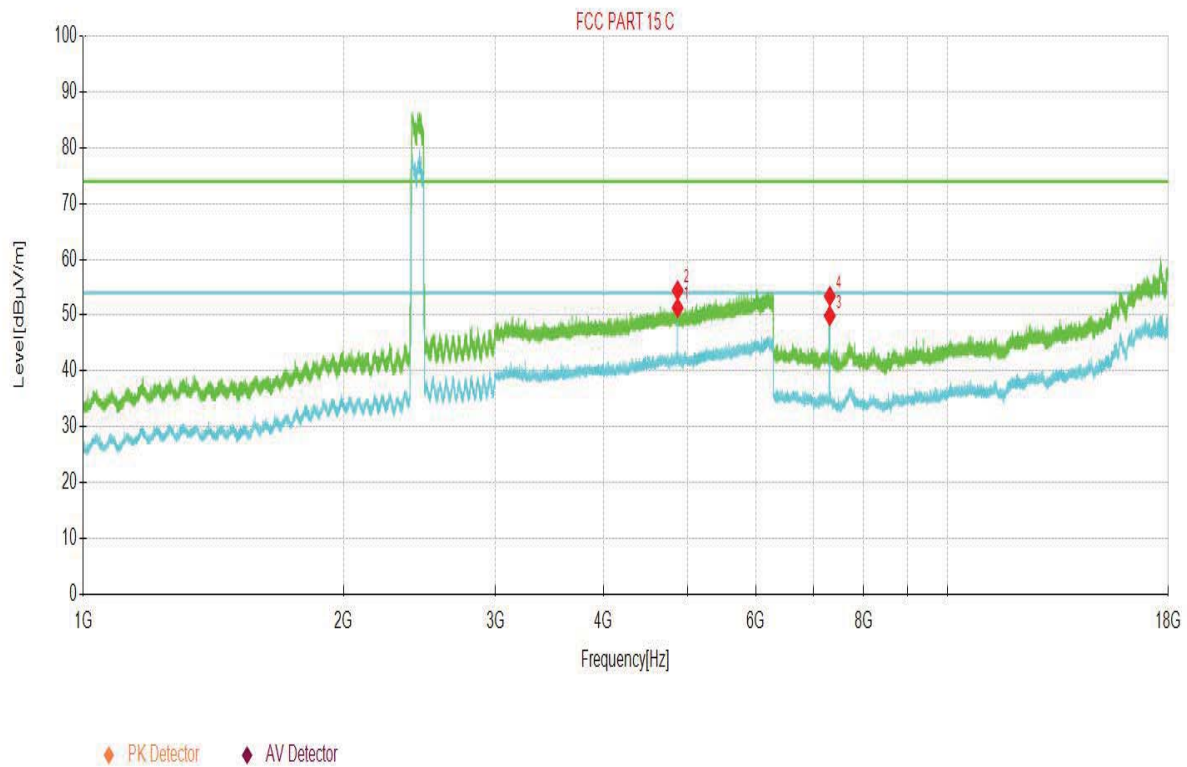
2.4G WLAN-11B-CH1

Test Graph



Mode:	2.4G WLAN-11B-CH6
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Test Graph



Suspected Data List

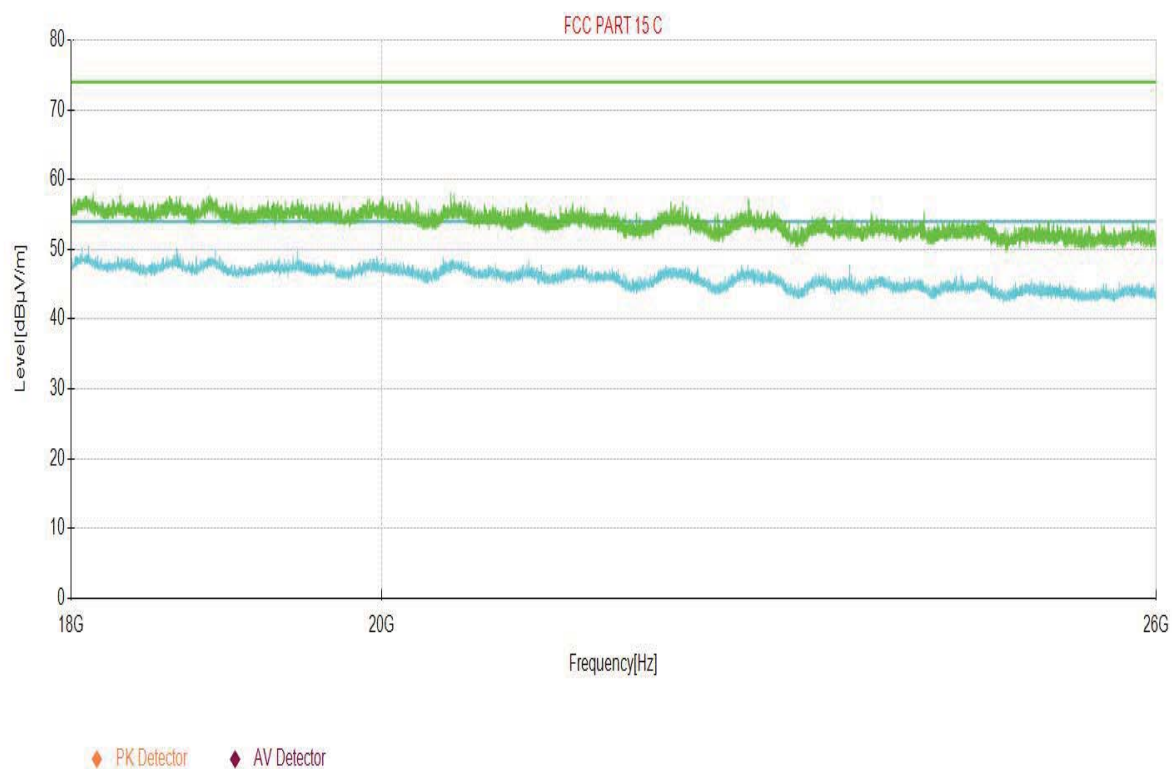
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4873.92	51.31	14.08	54.00	2.69	155	23	Horizontal
2	4873.92	54.42	14.08	74.00	19.58	150	328	Horizontal
3	7309.81	49.89	7.73	54.00	4.11	175	354	Horizontal
4	7310.98	53.39	7.74	74.00	20.61	150	354	Horizontal



Mode:

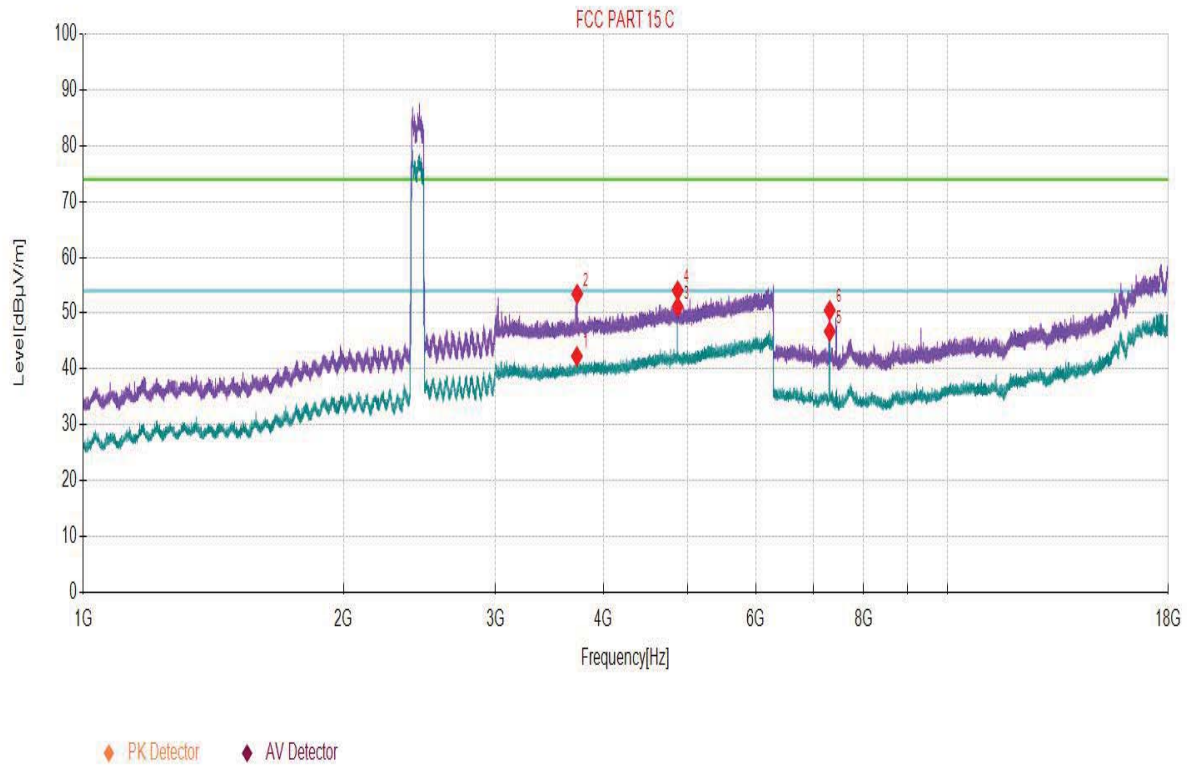
2.4G WLAN-11B-CH6

Test Graph



Mode:	2.4G WLAN-11B-CH6
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Test Graph

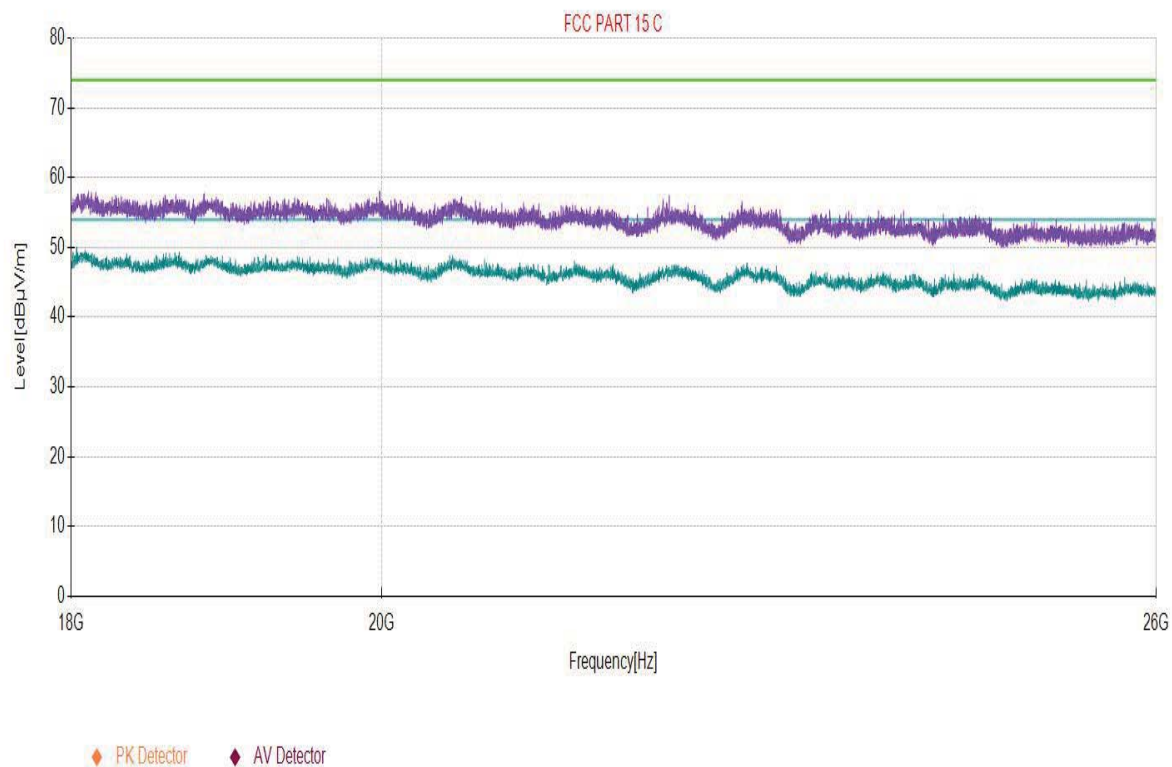


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3726.07	42.29	13.55	54.00	11.71	170	81	Vertical
2	3729.37	53.43	13.71	74.00	20.57	150	81	Vertical
3	4873.92	51.17	14.08	54.00	2.83	155	132	Vertical
4	4874.25	54.05	14.08	74.00	19.95	150	128	Vertical
5	7309.81	46.73	7.73	54.00	7.27	180	63	Vertical
6	7309.81	50.50	7.73	74.00	23.50	165	63	Vertical

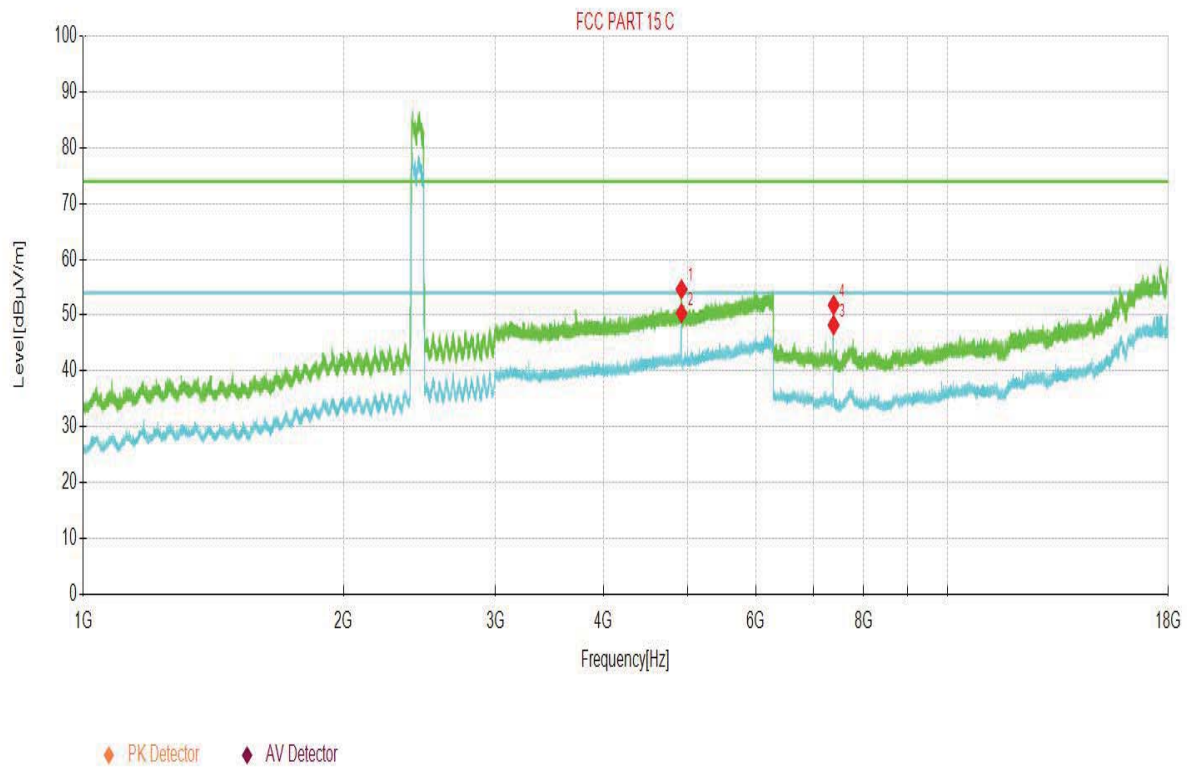
Mode:

2.4G WLAN-11B-CH6

Test Graph

Mode:	2.4G WLAN-11B-CH11
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Test Graph

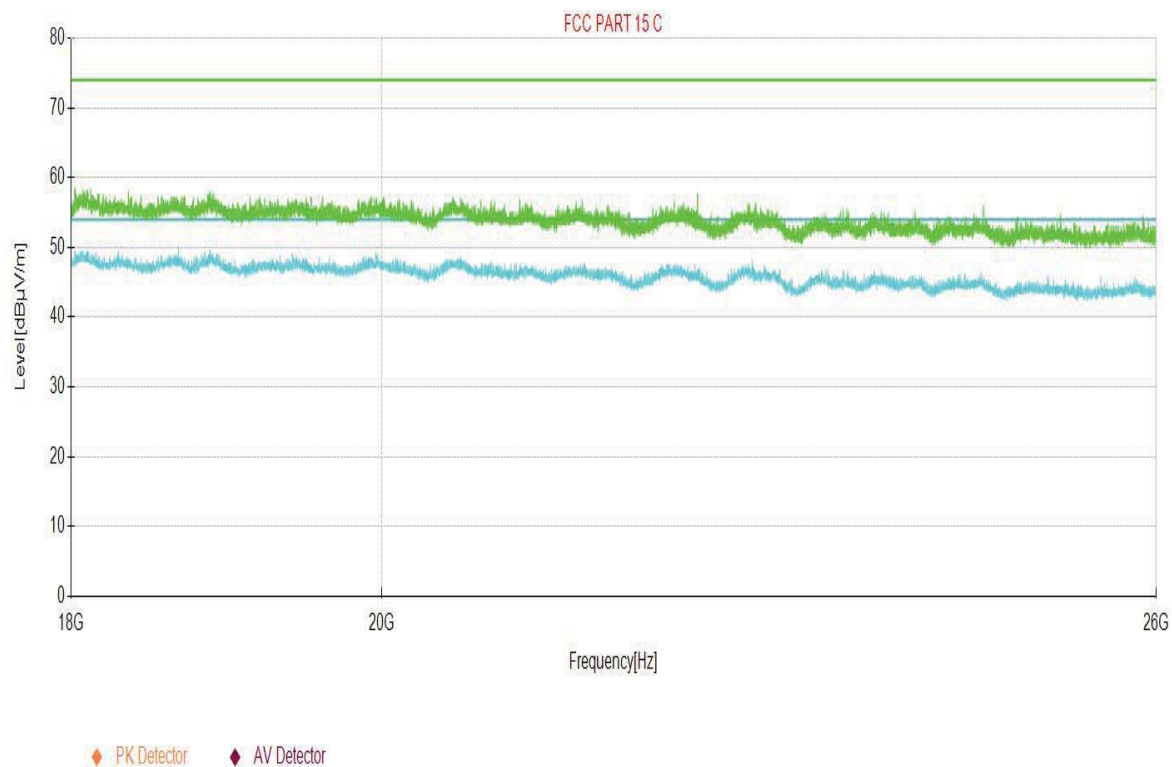


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4924.09	54.62	14.09	74.00	19.38	150	42	Horizontal
2	4924.09	50.36	14.09	54.00	3.64	170	359	Horizontal
3	7384.69	48.22	7.48	54.00	5.78	155	341	Horizontal
4	7385.86	51.80	7.47	74.00	22.20	185	341	Horizontal

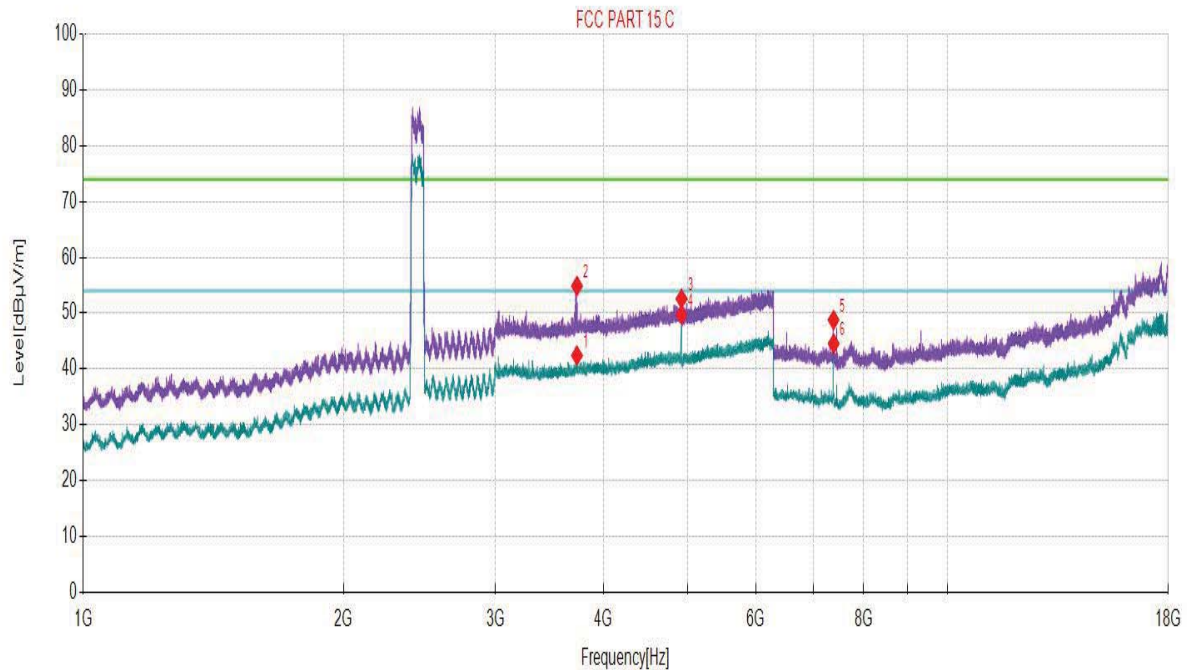
Mode:

2.4G WLAN-11B-CH11

Test Graph

Mode:	2.4G WLAN-11B-CH11
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Test Graph



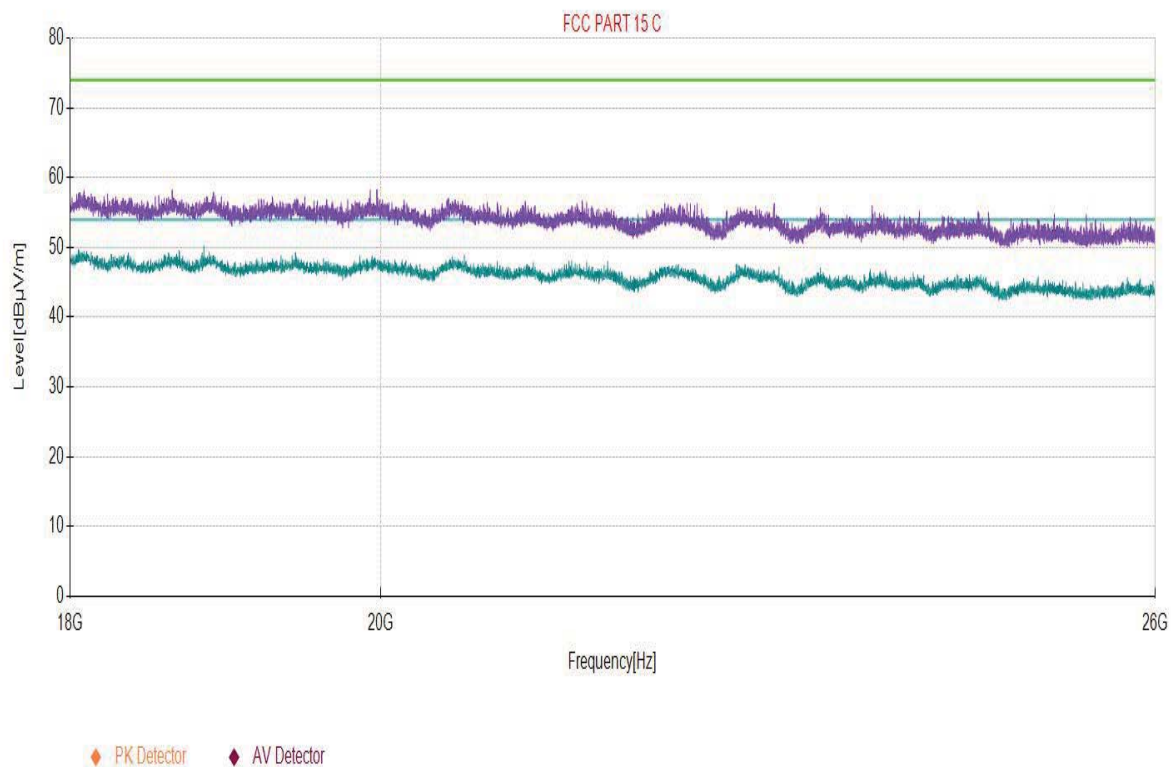
◆ PK Detector ◆ AV Detector

Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3727.06	42.42	13.60	54.00	11.58	155	109	Vertical
2	3727.06	54.88	13.60	74.00	19.12	150	105	Vertical
3	4924.09	52.56	14.09	74.00	21.44	170	126	Vertical
4	4924.09	49.72	14.09	54.00	4.28	150	126	Vertical
5	7383.52	48.78	7.49	74.00	25.22	185	56	Vertical
6	7387.03	44.55	7.46	54.00	9.45	155	77	Vertical

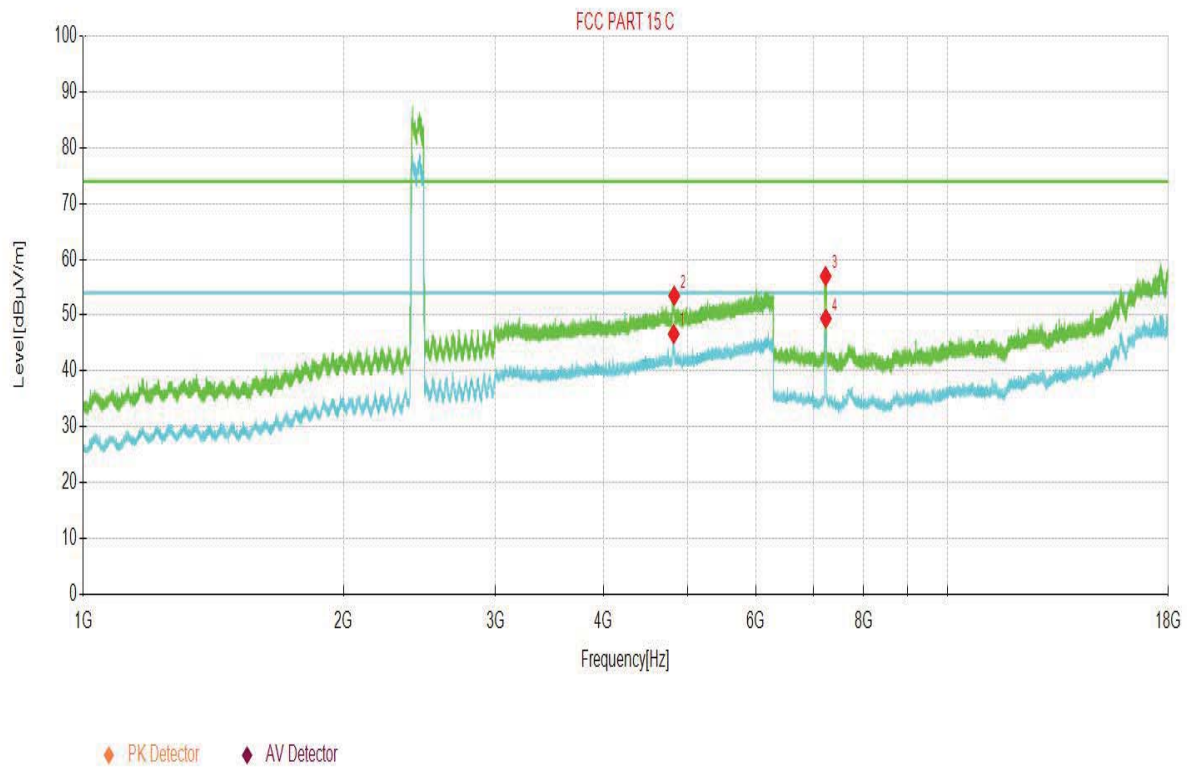
Mode:	2.4G WLAN-11B-CH11
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Test Graph



Mode:	2.4G WLAN-11G-CH1
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Test Graph

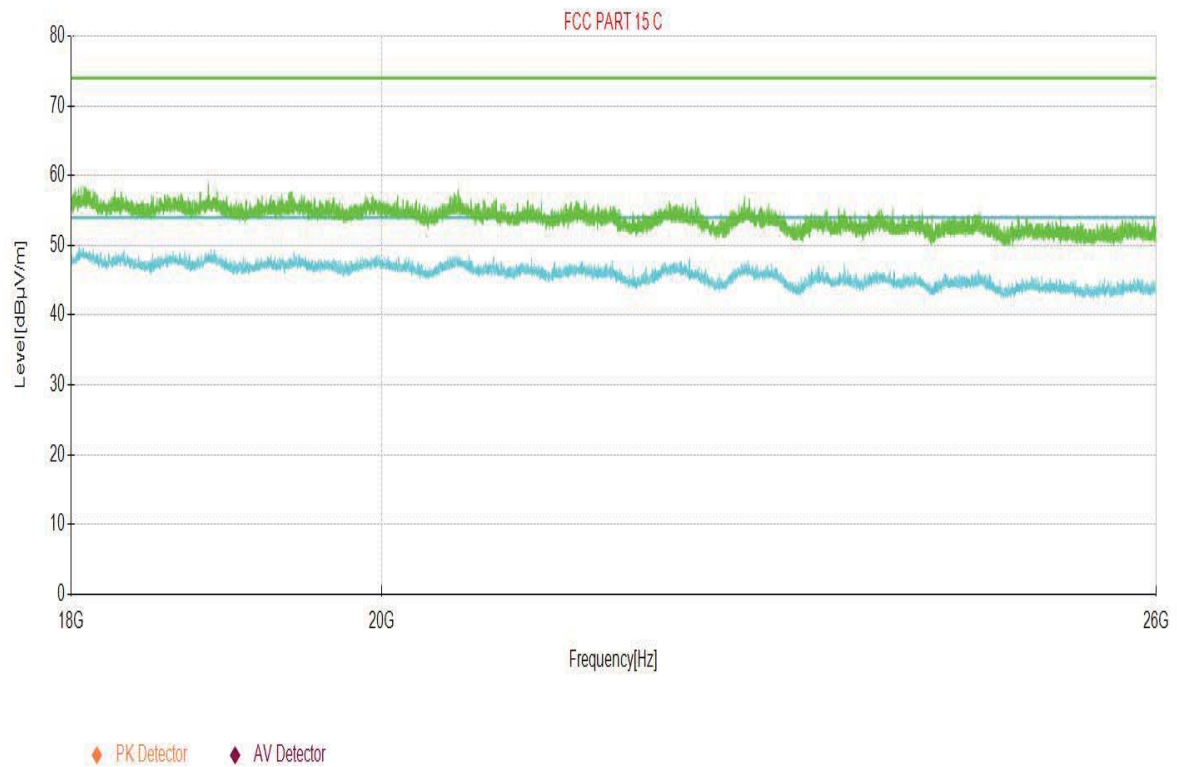


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4822.77	46.62	14.06	54.00	7.38	170	48	Horizontal
2	4829.04	53.47	14.06	74.00	20.53	155	39	Horizontal
3	7229.07	56.98	8.09	74.00	17.02	185	345	Horizontal
4	7233.75	49.38	8.08	54.00	4.62	150	345	Horizontal

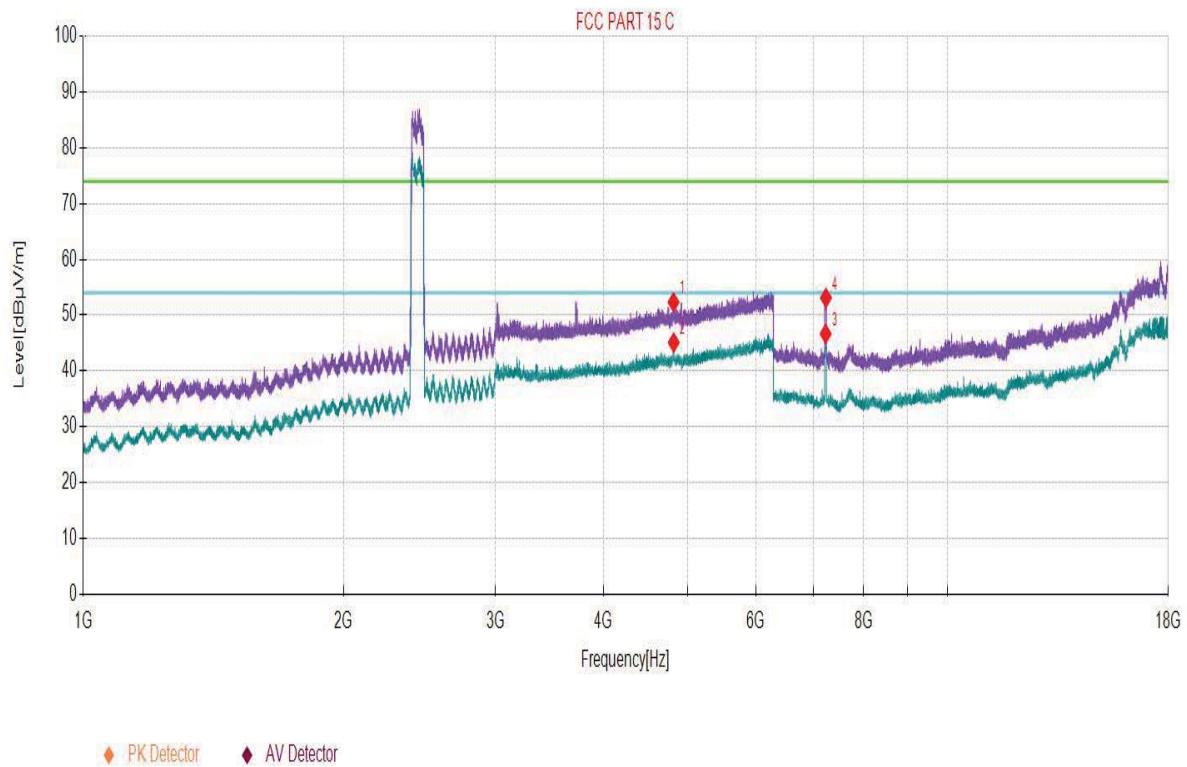
Mode:	2.4G WLAN-11G-CH1
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Test Graph



Mode:	2.4G WLAN-11G-CH1
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Test Graph

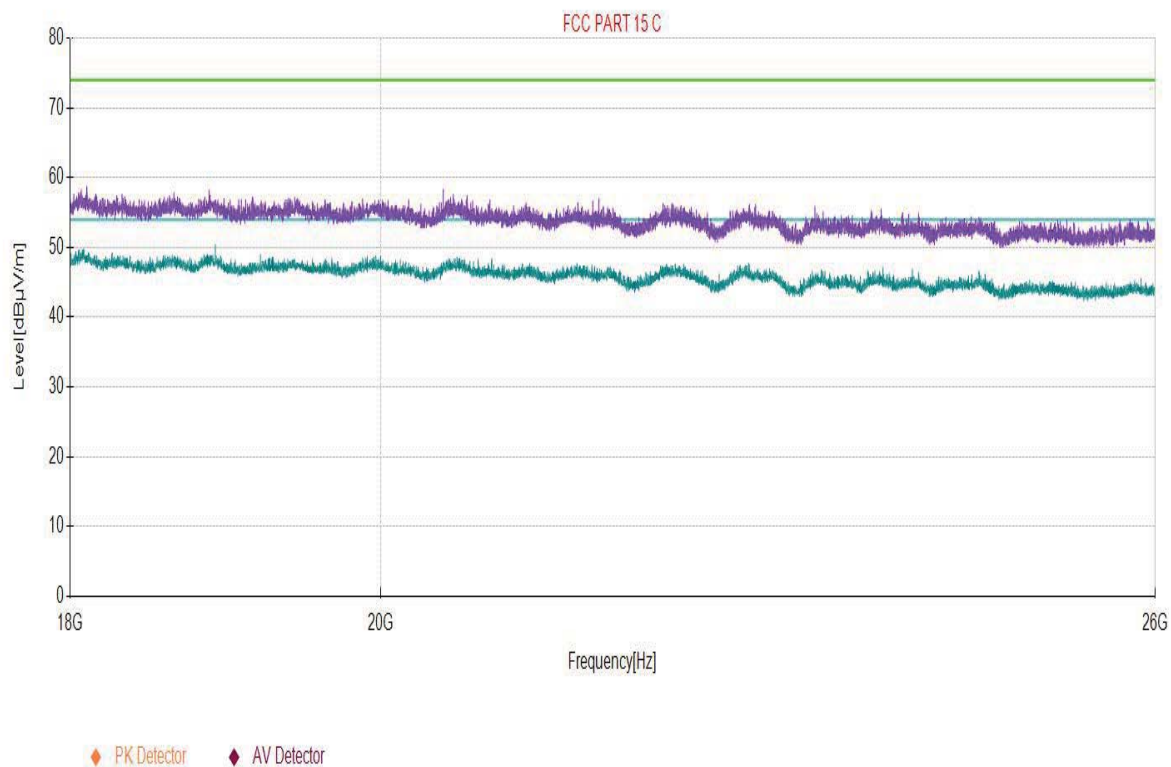


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4820.46	52.32	14.06	74.00	21.68	170	134	Vertical
2	4822.44	45.10	14.06	54.00	8.90	170	134	Vertical
3	7230.24	46.66	8.09	54.00	7.34	165	69	Vertical
4	7236.09	53.09	8.08	74.00	20.91	140	306	Vertical

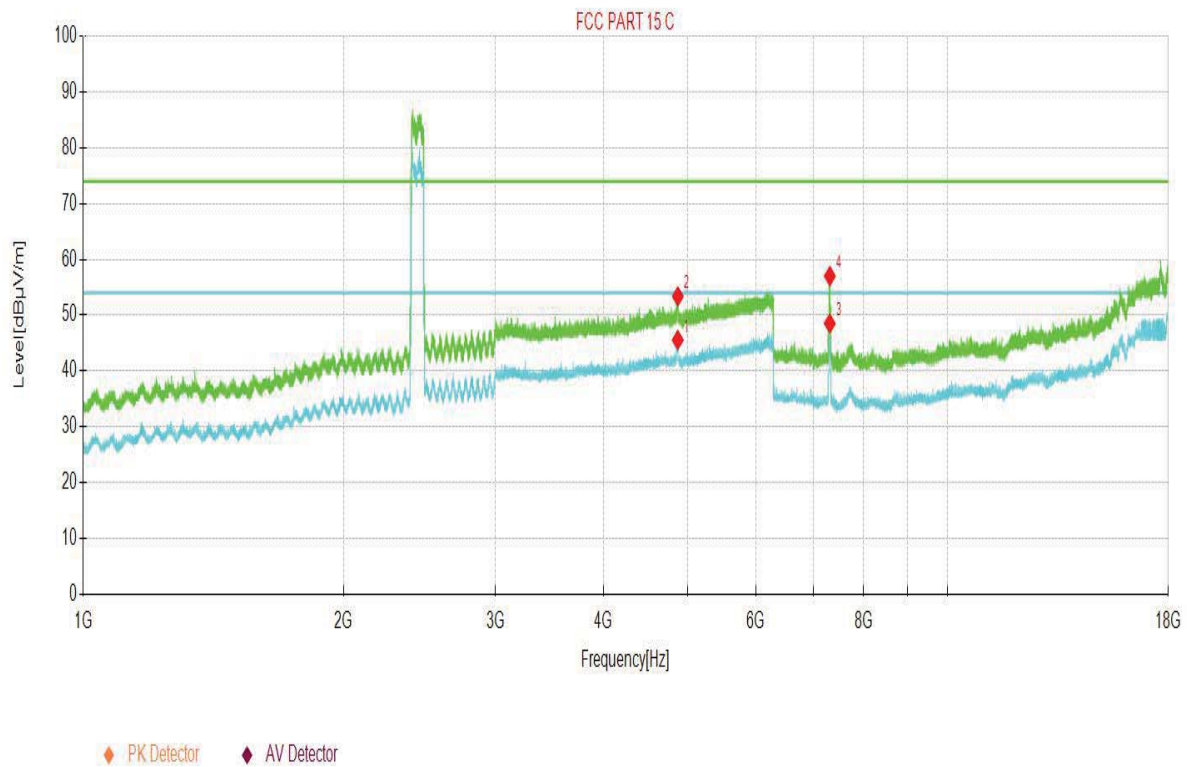
Mode:	2.4G WLAN-11G-CH1
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Test Graph



Mode:	2.4G WLAN-11G-CH6
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Test Graph



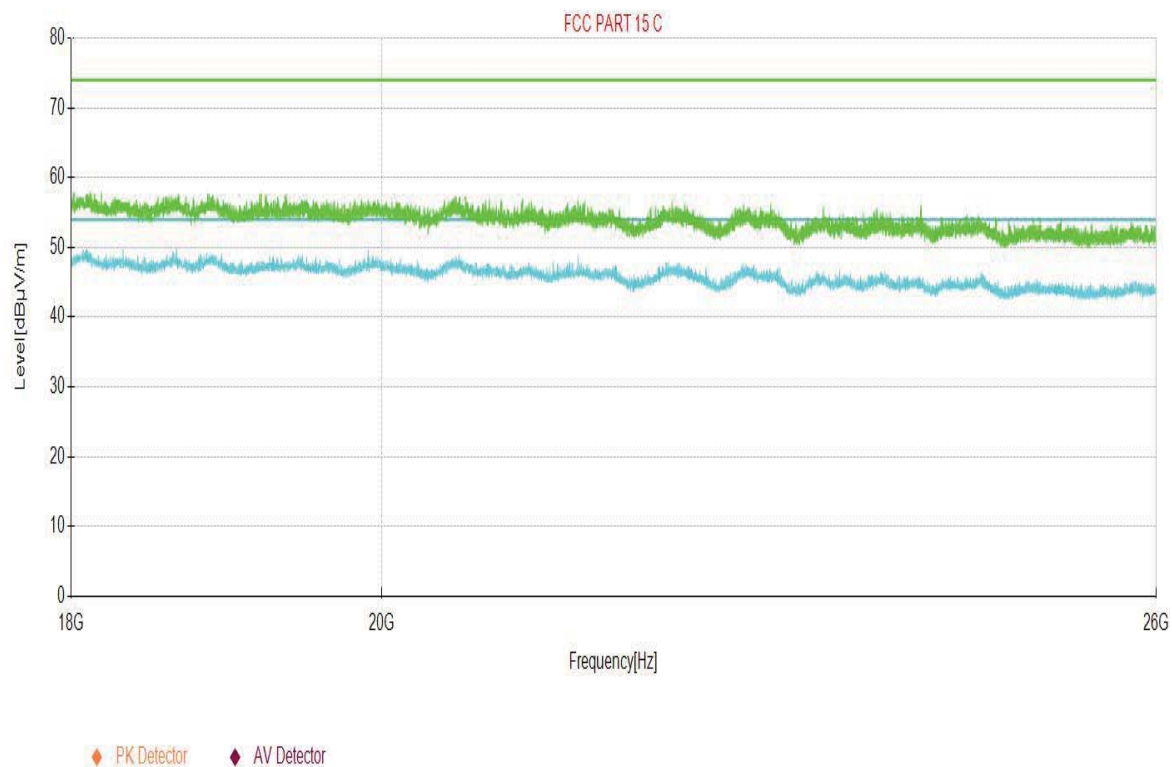
Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4874.91	45.55	14.08	54.00	8.45	155	10	Horizontal
2	4875.90	53.37	14.08	74.00	20.63	150	342	Horizontal
3	7309.81	48.51	7.73	54.00	5.49	180	341	Horizontal
4	7310.98	57.00	7.74	74.00	17.00	175	353	Horizontal

Mode:

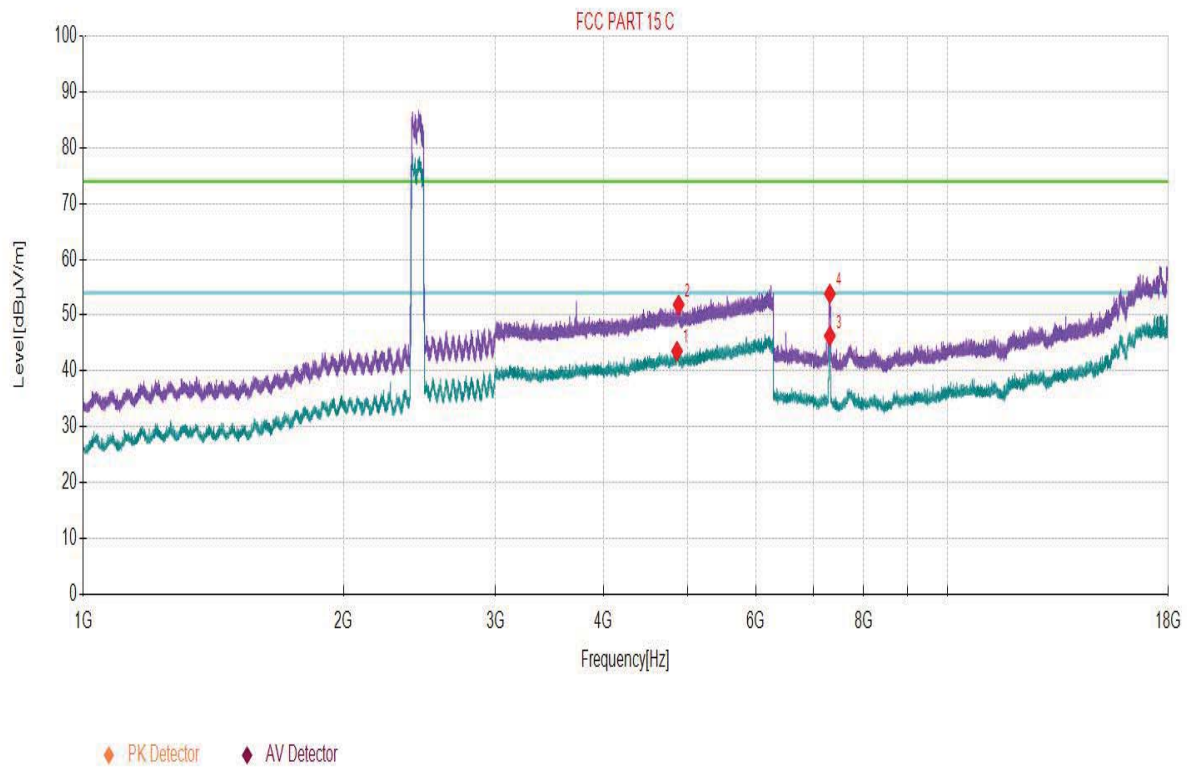
2.4G WLAN-11G-CH6

Test Graph



Mode:	2.4G WLAN-11G-CH6
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Test Graph



Suspected Data List

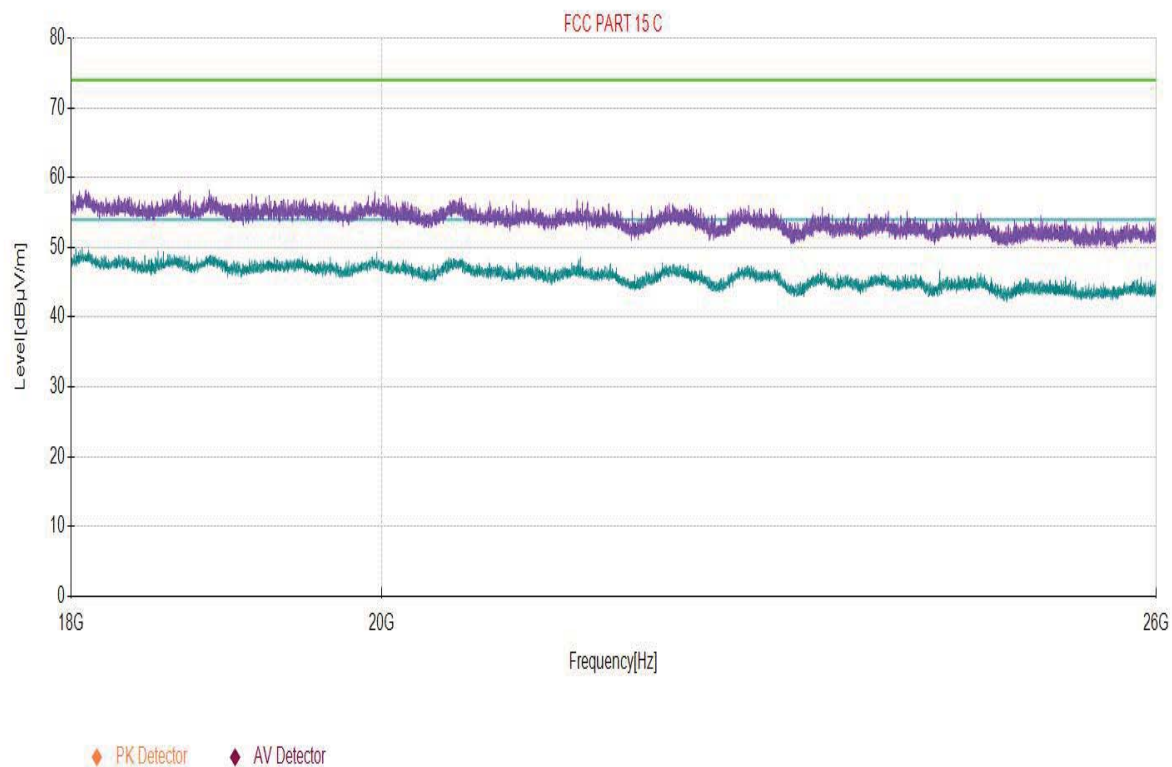
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4865.34	43.56	14.07	54.00	10.44	160	320	Vertical
2	4886.13	51.87	14.08	74.00	22.13	170	12	Vertical
3	7310.98	46.29	7.74	54.00	7.71	165	65	Vertical
4	7310.98	53.83	7.74	74.00	20.17	180	65	Vertical



Mode:

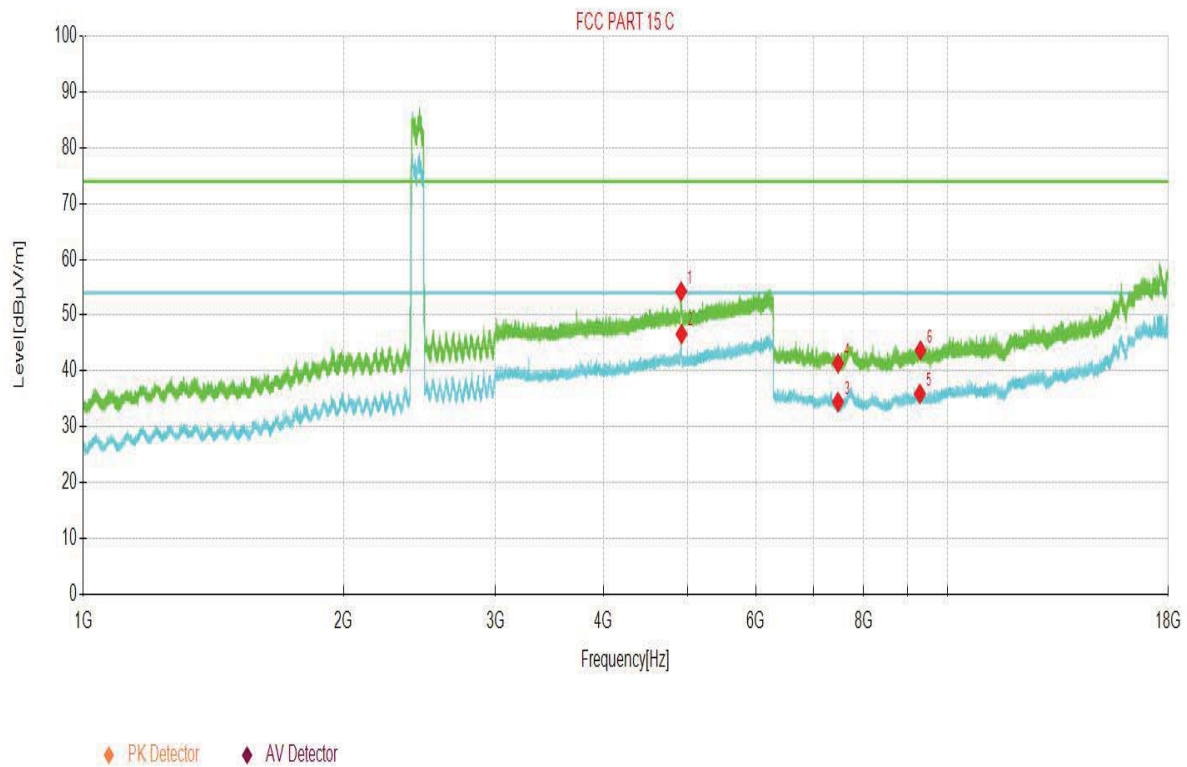
2.4G WLAN-11G-CH6

Test Graph



Mode:	2.4G WLAN-11G-CH11
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Test Graph

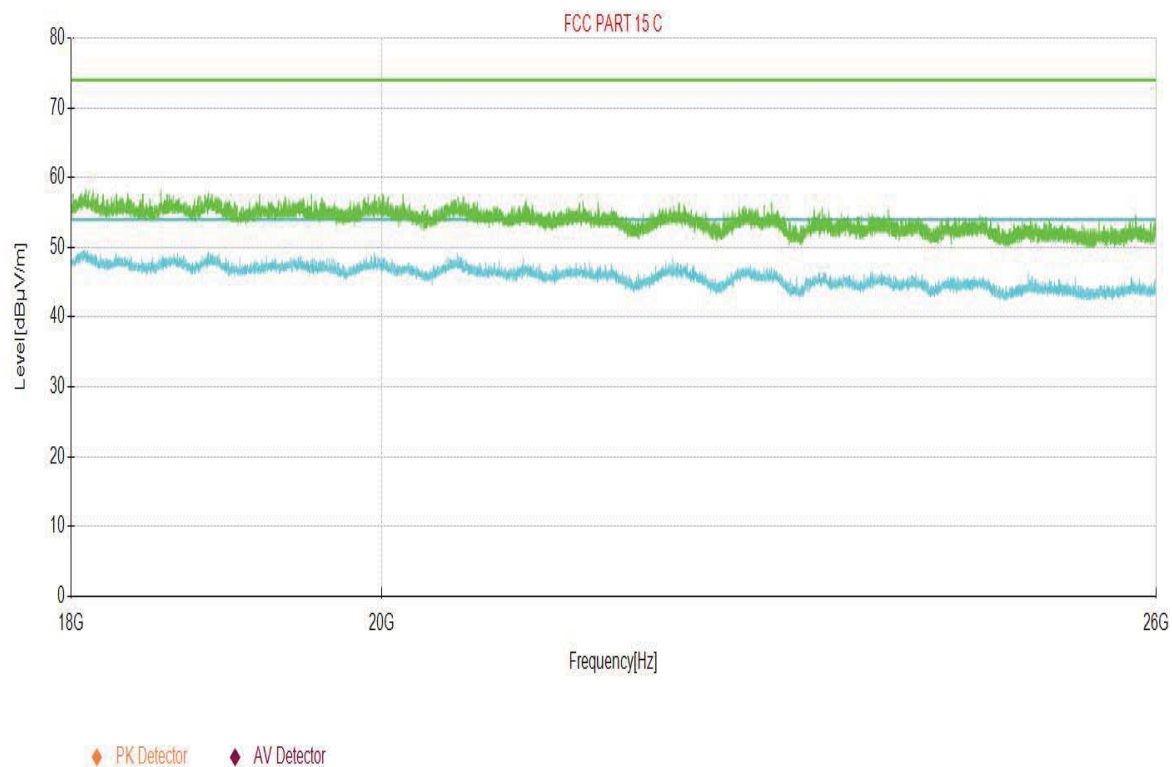


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4919.14	54.26	14.09	74.00	19.74	150	358	Horizontal
2	4925.08	46.62	14.09	54.00	7.38	155	10	Horizontal
3	7471.28	34.44	7.30	54.00	19.56	150	210	Horizontal
4	7472.45	41.36	7.29	74.00	32.64	170	354	Horizontal
5	9294.32	35.91	8.24	54.00	18.09	175	152	Horizontal
6	9309.54	43.67	8.27	74.00	30.33	150	284	Horizontal

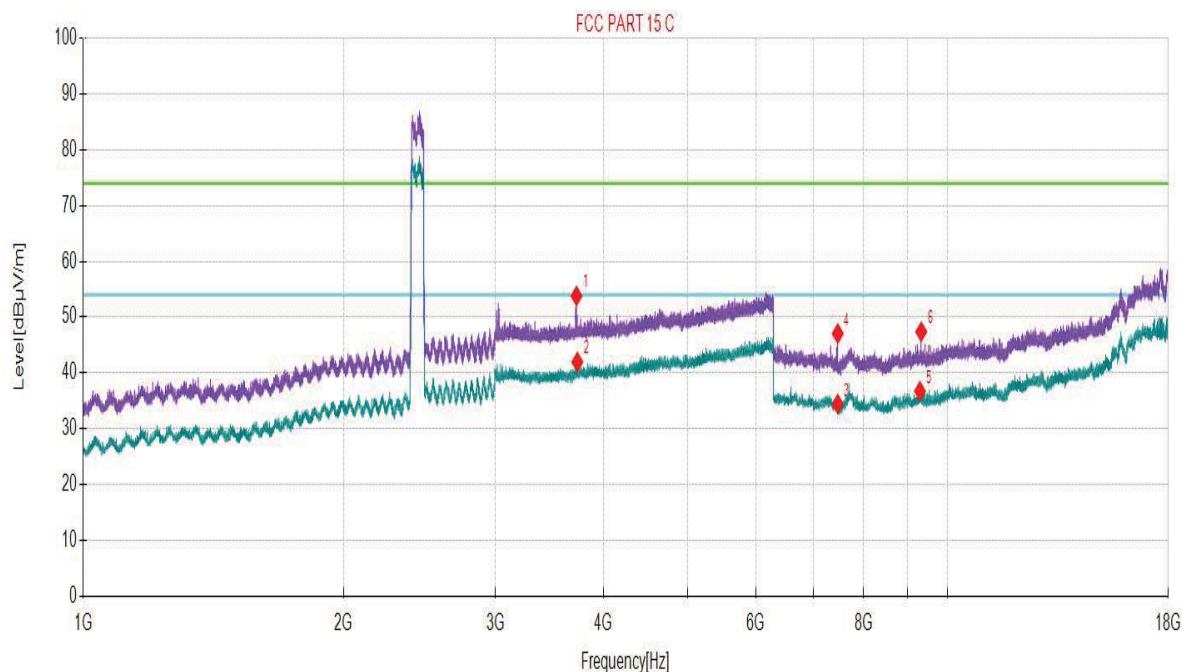
Mode:	2.4G WLAN-11G-CH11
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Test Graph



Mode:	2.4G WLAN-11G-CH11
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Test Graph



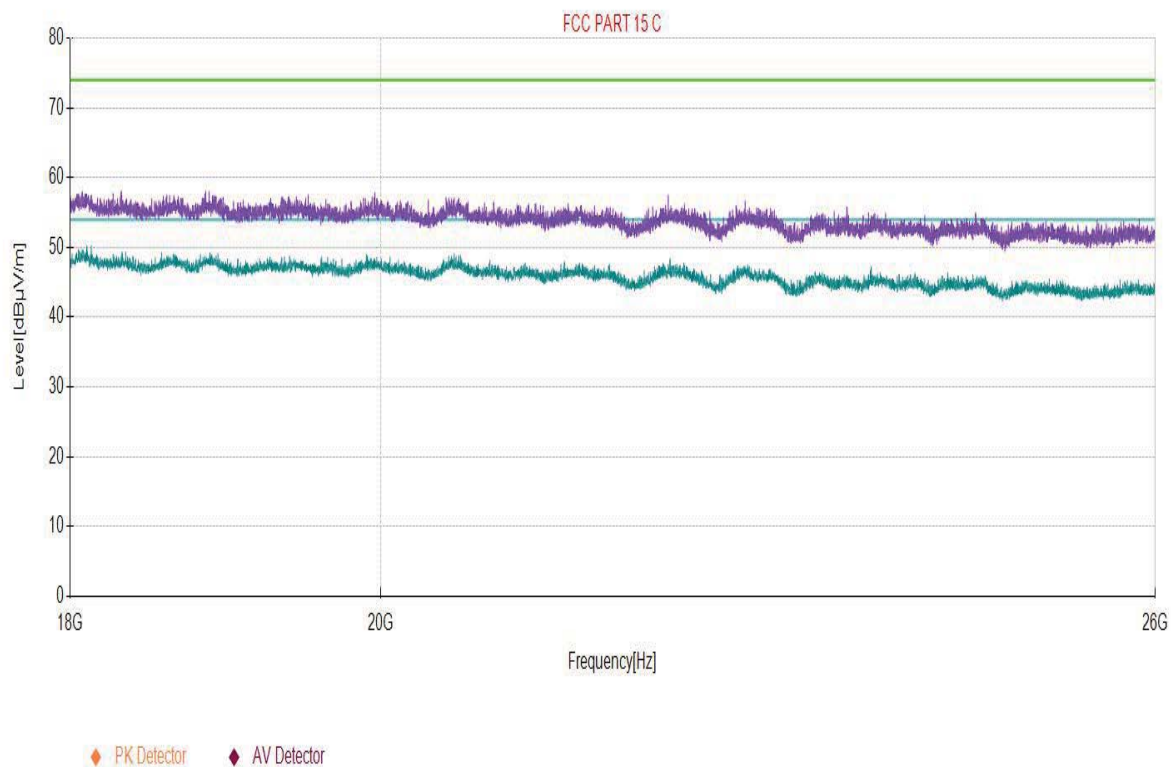
◆ PK Detector ◆ AV Detector

Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3722.11	53.81	13.35	74.00	20.19	160	113	Vertical
2	3730.69	41.97	13.71	54.00	12.03	150	150	Vertical
3	7466.60	34.42	7.27	54.00	19.58	165	57	Vertical
4	7466.60	47.06	7.27	74.00	26.94	150	57	Vertical
5	9295.49	36.73	8.26	54.00	17.27	180	348	Vertical
6	9327.09	47.38	8.40	74.00	26.62	150	244	Vertical

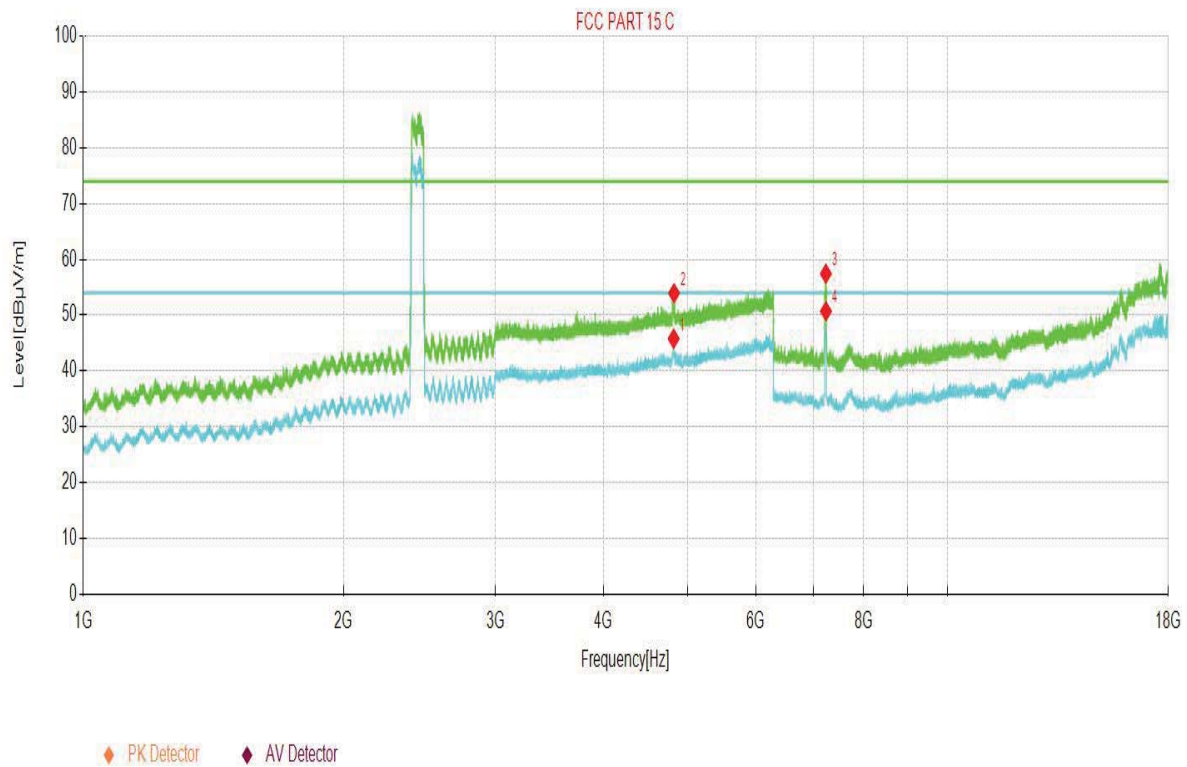
Mode:

2.4G WLAN-11G-CH11

Test Graph

Mode:	2.4G WLAN-11N20-CH1
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Test Graph

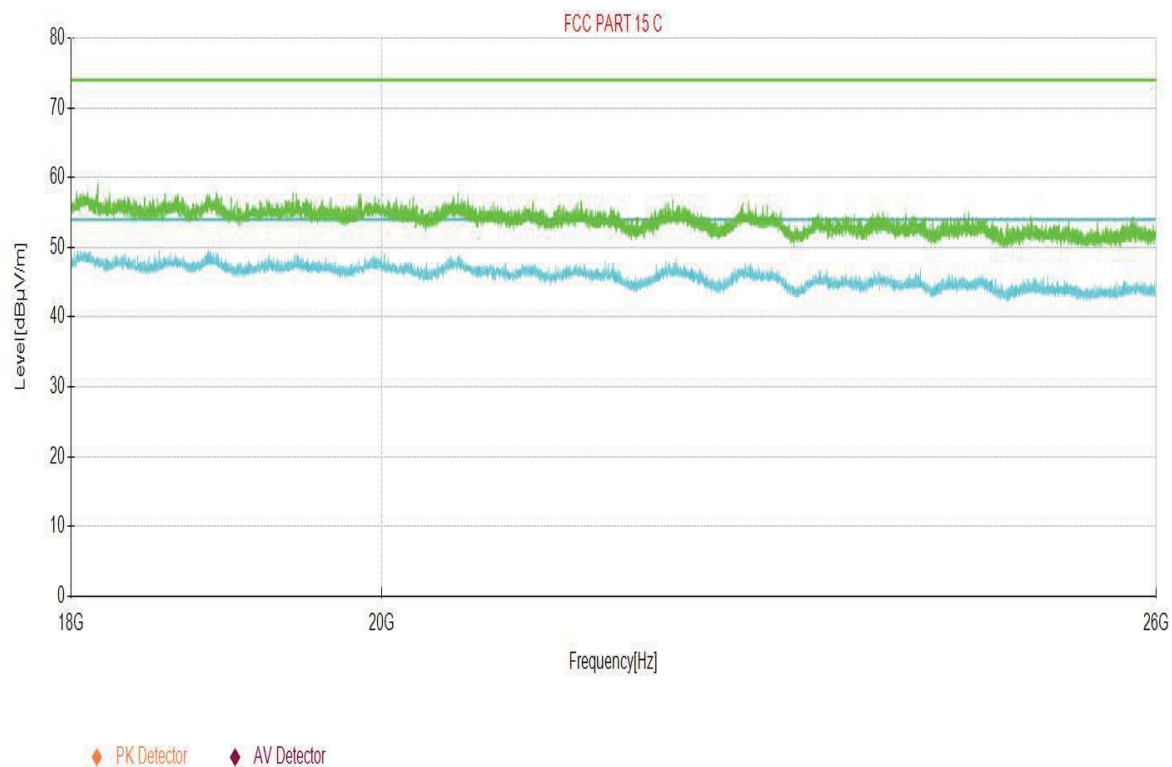


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4822.11	45.79	14.06	54.00	8.21	170	34	Horizontal
2	4827.06	53.93	14.06	74.00	20.07	155	38	Horizontal
3	7233.75	57.43	8.08	74.00	16.57	180	140	Horizontal
4	7234.92	50.71	8.08	54.00	3.29	185	354	Horizontal

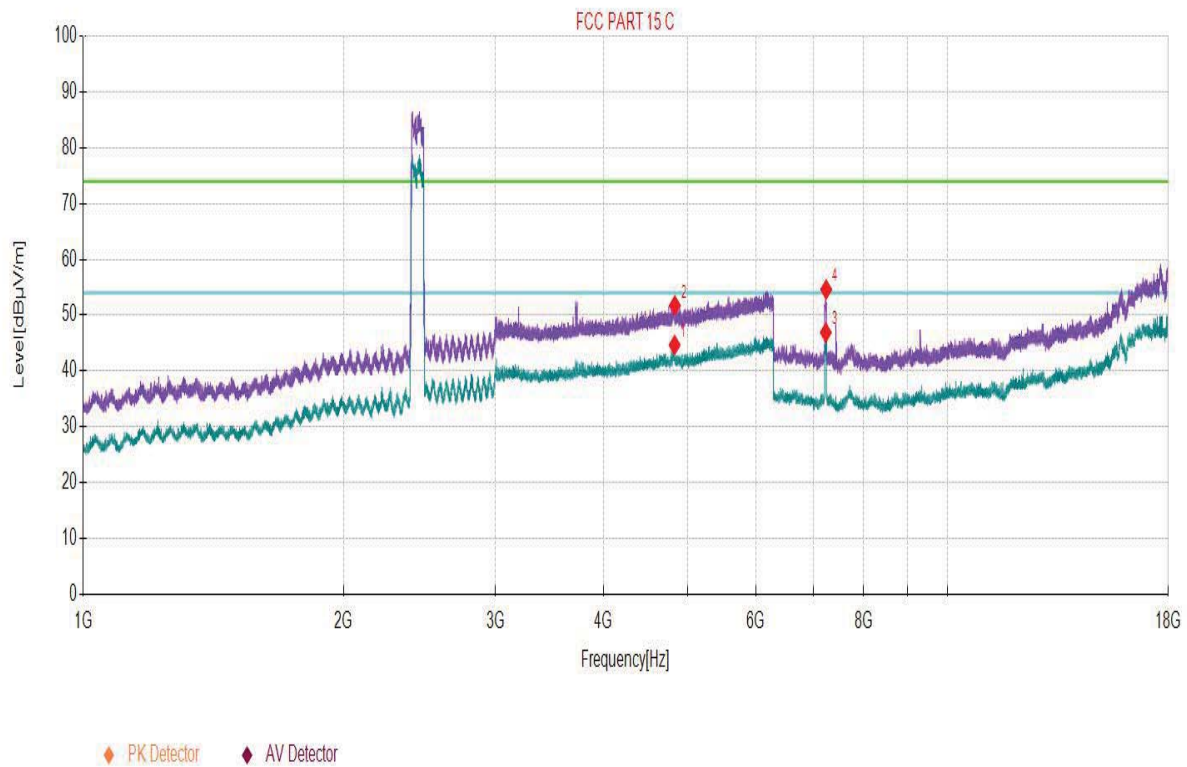
Mode:

2.4G WLAN-11N20-CH1

Test Graph

Mode:	2.4G WLAN-11N20-CH1
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Test Graph



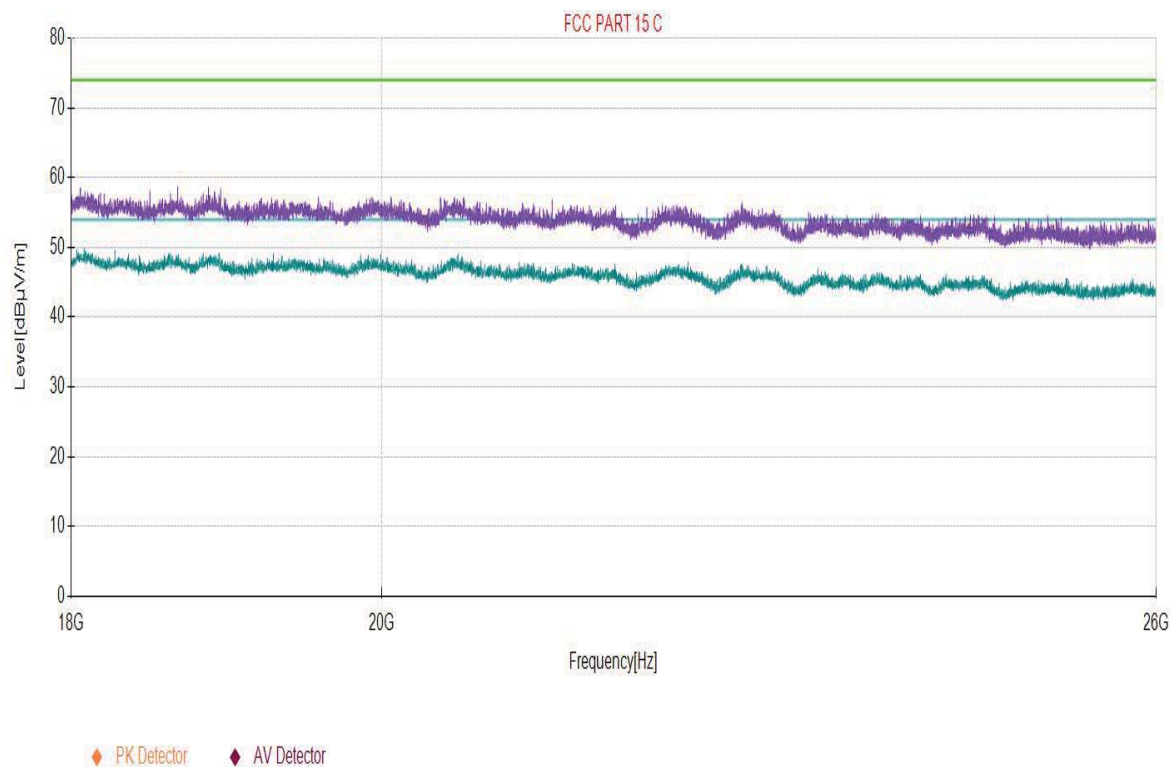
Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4833.99	44.66	14.06	54.00	9.34	150	134	Vertical
2	4837.29	51.73	14.06	74.00	22.27	155	134	Vertical
3	7232.58	46.90	8.08	54.00	7.10	160	52	Vertical
4	7239.60	54.60	8.07	74.00	19.40	150	52	Vertical



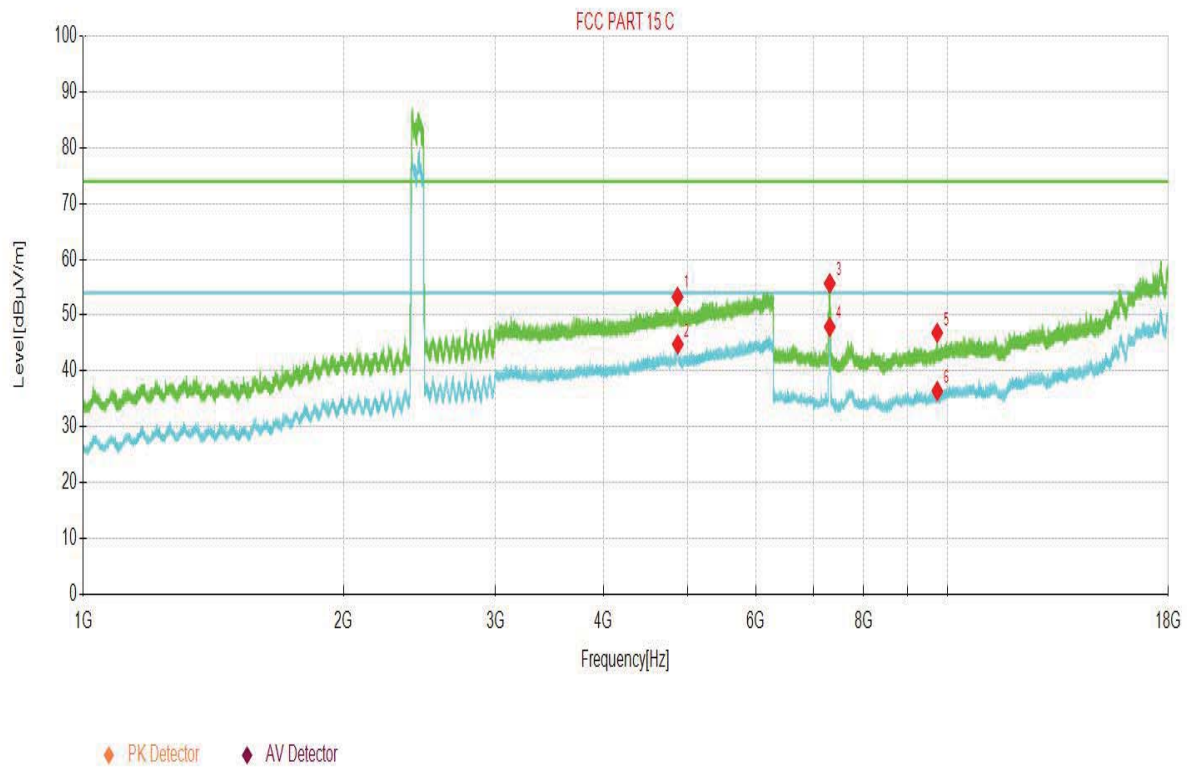
Mode:	2.4G WLAN-11N20-CH1
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Test Graph



Mode:	2.4G WLAN-11N20-CH6
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Test Graph

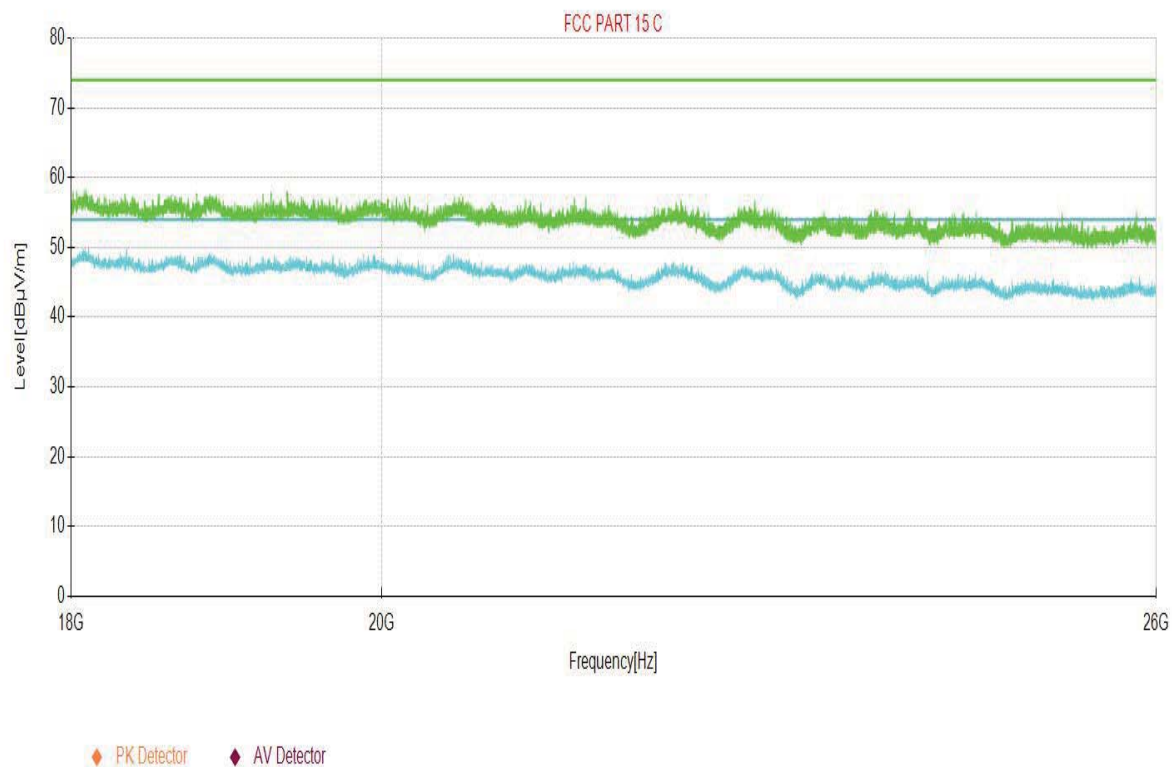


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4872.27	53.28	14.07	74.00	20.72	155	36	Horizontal
2	4875.90	44.78	14.08	54.00	9.22	150	24	Horizontal
3	7309.81	55.68	7.73	74.00	18.32	170	1	Horizontal
4	7309.81	47.90	7.73	54.00	6.10	150	1	Horizontal
5	9733.12	46.84	8.80	74.00	27.16	185	360	Horizontal
6	9734.29	36.40	8.81	54.00	17.60	155	331	Horizontal

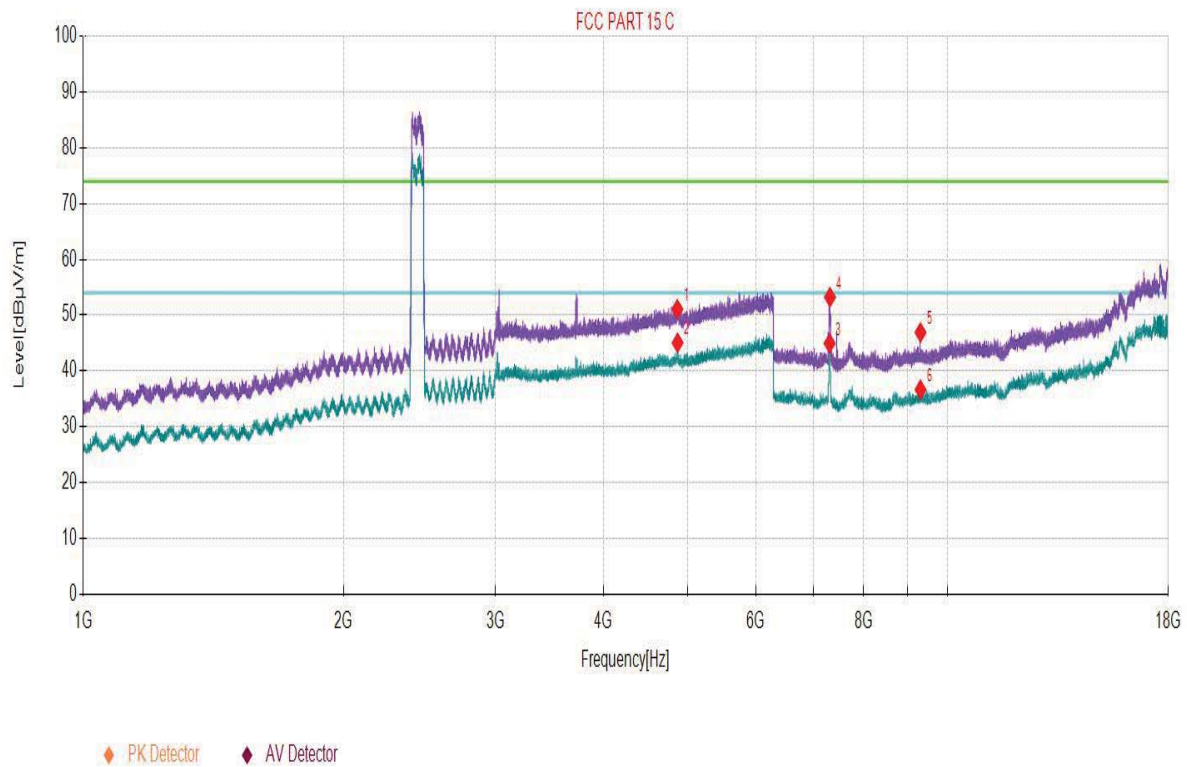
Mode:	2.4G WLAN-11N20-CH6
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Test Graph



Mode:	2.4G WLAN-11N20-CH6
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Test Graph



Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4869.96	51.08	14.07	74.00	22.92	150	241	Vertical
2	4872.93	45.06	14.07	54.00	8.94	155	123	Vertical
3	7306.30	44.94	7.76	54.00	9.06	150	76	Vertical
4	7314.49	53.22	7.78	74.00	20.78	165	71	Vertical
5	9308.37	46.89	8.28	74.00	27.11	155	275	Vertical
6	9308.37	36.64	8.28	54.00	17.36	150	282	Vertical